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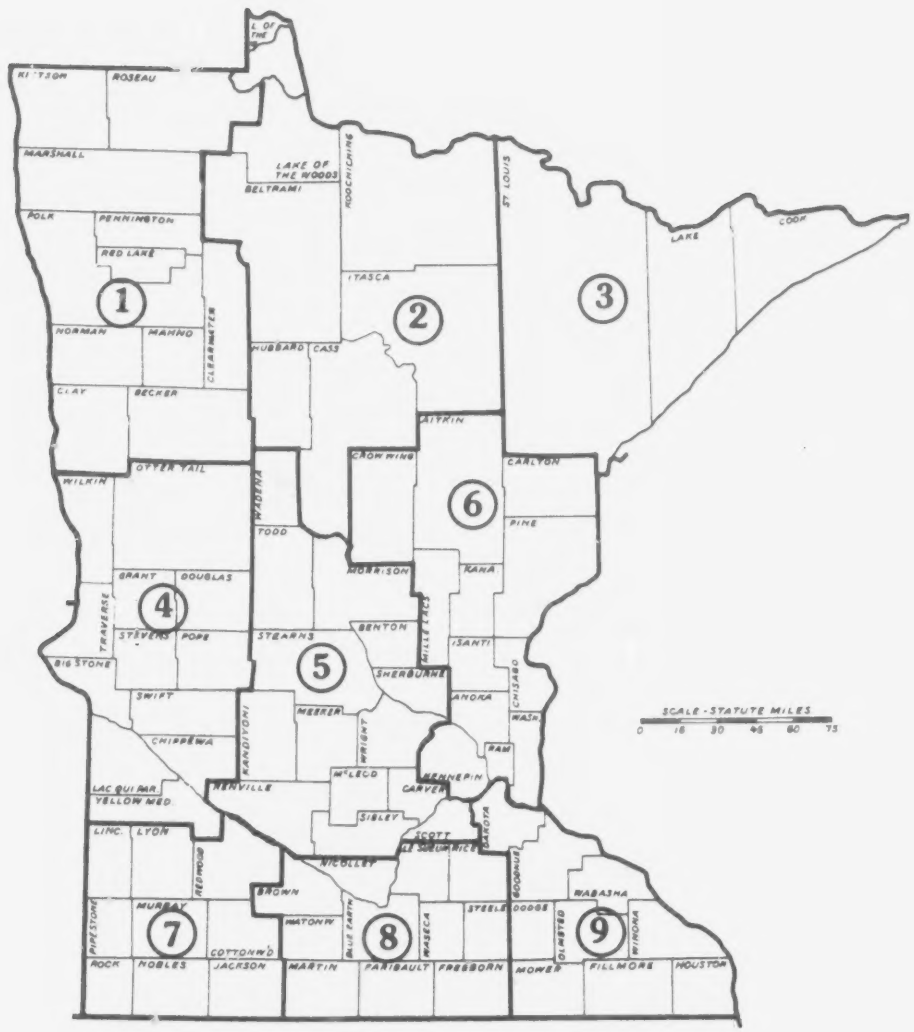
Minnesota's Crop Reporting Districts



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MINNESOTA AGRICULTURAL STATISTICS 1981

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FOREWORD

Agriculture is a major industry in Minnesota and contributes to the overall economy of the state in many ways. Most small towns in the state are totally dependent on agriculture for their livelihood. Unfortunately that "immediate effect" is not always felt in the bigger cities but it is there nevertheless, adding to the economy of this great state.

Behind this agricultural economy is the Minnesota farmer, working to keep ahead of rising production costs and the changing patterns of supply and demand. The production year of 1980 was generally better than 1979 for the Minnesota producer. Rainfall was short in many areas, particularly in the western part of the state. However, growing conditions were far better than in areas to the south which experienced searing heat and no moisture for weeks at a time. This weather pattern was responsible for lowering U.S. crop production in 1980 which in turn provided somewhat higher crop prices for Minnesota farmers. Unfortunately, livestock prices were not strong in 1980. Abundant supplies of poultry and pork kept farm prices relatively low for these commodities and for cattle producers as well.

One of the important marketing tools available to the Minnesota farmer is found in this book. It is the supply of goods from the farms of this state. The information is available because of the voluntary cooperation of farmers and agri-businesses from all over Minnesota. Each year the demand for this book increases and each year the data users need to express special appreciation to all those who provide the basic data.

This bulletin provides a wide variety of information on Minnesota agriculture through a number of ways -- tables, charts, graphs, maps, and other means. Coordinating this work is an immense and ongoing task. This responsibility rests with Lyle Pratt, Assistant Statistician in Charge, and Linda Wright, editor. Other major contributions were made by Sy Phillippi, Livestock; Cecil Foss, Crops; and Andrea Hughes who did much of the typing work.

Carroll Rock
Agricultural Statistician in Charge

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SECTION I MINNESOTA'S RANK, NUMBER OF FARMS, FARM INCOME, EXPORTS, & CLIMATIC SUMMARY

Rankings

MINNESOTA'S RANK AMONG STATES

Item	1	2	3	4	5	6	7	8	9	10
Number of farms, Jan 1, 1981[1/]	Tex	Mo	Iowa	Ill	MINN	Ky	Tenn	Ohio	NC	Wis
Cash Farm Income, 1979:										
Total	Cal	Iowa	Tex	Ill	Neb	MINN	Kan	Wis	Mo	Ind
Crops	Cal	Ill	Iowa	Tex	MINN	Ind	Fla	Kan	Neb	Ohio
Livestock & Livestock products	Tex	Iowa	Calf	Neb	Wis	Kan	MINN	Mo	Col	Ill
Crop Production, 1980:										
Corn for Grain	Iowa	Ill	MINN	Neb	Ind	Ohio	Wis	Mich	SDak	Tex
Soybeans	Iowa	Ill	Ind	MINN	Mo	Ohio	Ga	Ark	Miss	Neb
All Wheat	Kan	Okla	NDak	Wash	Tex	Mont	Neb	Col	MINN	Ida
Other Spring Wheat	NDak	MINN	Mont	Ida	SDak	Wash	Oreg	Col	Utah	Nev
Oats	MINN	SDak	Iowa	Wis	Mich	Ohio	Pa	NY	Neb	Ill
Barley	Ida	NDak	Cal	Mont	MINN	Wash	Col	SDak	Utah	Oreg
All Sunflowers	NDak	MINN	SDak	Tex						
All Hay	Wis	Iowa	Cal	MINN	Neb	NY	Tex	SDak	Mo	Ida
All Potatoes	Ida	Wash	Main	Oreg	Cal	Wis	NDak	Col	MINN	NY
Sugarbeets	Cal	MINN	Ida	NDak	Mich	Neb	Col	Wyo	Mont	Tex
Flaxseed	SDak	NDak	MINN	Tex						
Rye	SDak	Ga	MINN	NDak	Okla	SC	Mich	Tex	Neb	Pa
Red Clover Seed	Oreg	Ill	MINN	Mo	Wash	Mich	Ind	Ida	Ohio	Iowa
Timothy Seed	MINN	Ohio	Mo	Ill						
Sweet Corn for Processing	MINN	Wis	Ore	Wash	Ill	Ida	NY	Md	Iowa	Pa
Green Peas for Processing	Wis	Wash	MINN	Ore	NY	Cal	Del	Md		
Dry Edible Beans	Mich	Cal	Ida	NDak	Neb	Col	Wash	MINN	Wyo	NY
Livestock, Dairy & Poultry:										
Red Meat Production, 1980	Iowa	Neb	Tex	Kan	Ill	Cal	MINN	Col	Ohio	Wis
Cattle & Calves, 1/1/81	Tex	Iowa	Neb	Kan	Mo	Okla	Cal	Wis	SDak	MINN
Milk Cows, 1/1/81	Wis	NY	Cal	MINN	Pa	Mich	Iowa	Ohio	Tex	Mo
Cattle & Calves on Feed, January 1, 1981	Tex	Neb	Iowa	Kan	Col	Cal	Ill	Ariz	MINN	SDak
Cattle & Calves Marketed, 1980 (head)	Tex	Kan	Neb	Iowa	Okla	Col	Cal	Mo	SDak	MINN
Hogs, December 1, 1980	Iowa	Ill	MINN	Ind	Mo	Neb	NC	Ga	Ohio	Kan
Pig Crop, 1980	Iowa	Ill	MINN	Mo	Ind	Neb	NC	Ohio	Wis	Ga
Hogs Marketed, 1980 (head)	Iowa	Ill	MINN	Mo	Ind	Neb	NC	Kan	SDak	Wis
Stock Sheep & Lambs, Jan.1, 1981[2/]	Tex	Cal	Wyo	SDak	Utah	NMex	Mont	Col	Ida	Oreg
Lamb Crop, 1980[3/]	Tex	Cal	SDak	Wyo	Utah	Ida	Col	Mont	NMex	Oreg
Chickens, December 1, 1980	Cal	Ga	Ark	Ind	Pa	Ala	NC	Tex	Fla	MINN
Eggs, Produced, Dec.1979-Nov.1980[4/]	Cal	Ga	Pa	Ark	Ind	Ala	NC	Tex	Fla	Ohio
Turkeys Raised during 1980	MINN	NC	Cal	Ark	Mo	Va	Tex	Iowa	Ind	Pa
Milk Production, 1980	Wis	Cal	NY	MINN	Pa	Mich	Ohio	Iowa	Tex	Wash
Dairy Products Manufactured during 1980:										
Total Cheese	Wis	MINN	NY	Iowa	Cal	Ida	Pa	Mo	Ill	Ohio
American Cheese	Wis	MINN	Iowa	Ida	NY	SDak	Mo	Utah	ND	Cal
Italian Cheese	Wis	NY	Cal	Neb	MINN	Pa	Vt	NJ	Ill	Ky
Butter	Wis	Cal	MINN	Pa	NY	Wash	Mich	Mo	Ohio	Iowa
Nonfat Dry Milk	Cal	MINN	Wis	Iowa	Mich	NY	Pa	SDak	Ohio	NDak
Ice Cream	Cal	Pa	NY	Ohio	Mass	Tex	Ill	Mich	Fla	MINN
Honey Produced, 1980	Cal	Fla	NDak	MINN	Mont	SDak	Neb	Tex	Mo	Iowa
Mink, 1979	Wis	Utah	MINN	Wash	Ill	Iowa	Oreg	Ohio	Mich	NY
Fertilizer Consumption (year ending 6/30/80);	Ill	Iowa	Tex	Ind	Cal	Ohio	MINN	Fla	Neb	Ga
AG Exports Fiscal, 1980	Ill	Iowa	Cal	Tex	Kan	MINN	Neb	Ind	NDak	Mo

1/ Illinois & Minnesota tied for 4th place; N. Carolina & Wisconsin tied for 9th place.
2/ Minnesota ranks 14th 3/ Minnesota ranks 13th. 4/ Minnesota ranks 11th.

MINNESOTA'S LEADING AGRICULTURAL COUNTIES

Item	1	2	3	4	5	6	7	8	9	10
CASH FARM INCOME, 1979:										
Total	Polk	Stearns	Renville	Martin	Redwood	Otter Tail	Nobles	Jackson	Freeborn	Fillmore
Crops	Polk	Marshall	Renville	Clay	Redwood	Martin	Norman	Blue Earth	Freeborn	Faribault
Livestock	Stearns	Otter Tail	Fillmore	Nobles	Rock	Kandiyohi	Lyon	Martin	Goodhue	Murray
Government Payments	Polk	Marshall	Swift	Kandiyohi	Norman	Redwood	Kittson	Yel.Med.	L.Q.Parle	Lyon
1980 CROP PRODUCTION:										
Corn for Grain	Martin	Faribault	Jackson	Freeborn	Mower	Redwood	Blue Earth	Fillmore	Renville	Cottonwood
Soybeans	Redwood	Martin	Renville	Faribault	Jackson	Blue Earth	Cottonwood	Nobles	Y. Medicine	Brown
All Wheat	Polk	Clay	Norman	Wilkin	Marshall	L.Q. Parle	Kittson	Traverse	Renville	Grant
Oats	Stearns	Otter Tail	Todd	Pope	Douglas	Kandiyohi	Morrison	Goodhue	Wabasha	Fillmore
Barley	Polk	Clay	Wilkin	Norman	Marshall	Becker	Otter Tail	Pennington	Traverse	Grant
All Potatoes	Polk	Clay	Marshall	Sherburne	Freeborn	Otter Tail	Hubbard	Pope	Kittson	Todd
Sugarbeets	Polk	Clay	Renville	Norman	Chippewa	Wilkin	Marshall	Kittson	Grant	Kandiyohi
Sunflowers	Polk	Clay	Norman	Wilkin	Traverse	Marshall	Becker	Red Lake	Pennington	Stevens
LIVESTOCK, DAIRY and POULTRY :										
Cattle & Calves, Jan. 1, 1981	Stearns	Fillmore	Otter Tail	Goodhue	Houston	Wabasha	Olmsted	Morrison	Todd	Winona
Beef Cows, Jan.1, 1981	Fillmore	Otter Tail	Houston	Wabasha	Olmsted	Polk	Roseau	Goodhue	Rock	Lyon
1980 Milk Production	Stearns	Otter Tail	Morrison	Todd	Goodhue	Winona	Fillmore	Wright	Carver	Wabasha
Stock Sheep & Lambs, Jan. 1, 1981	Marshall	Roseau	Otter Tail	Polk	Fillmore	Goodhue	Cottonwd.	Jackson	Lincoln	Murray
Hogs, Dec. 1, 1980 1/	Freeborn	Martin	Fillmore	Jackson	Mower	Nobles	Renville	Redwood	Stearns	Blue Earth
Pig Crop, 1980	Stearns	Martin	Freeborn	Fillmore	Mower	Nobles	Jackson	Sibley	Faribault	Redwood
Hens & Pullets, Dec. 1, 1980	Stearns	Sibley	Meeker	Clay	Freeborn	Clearwater	Morrison	Pine	Wright	Benson
Cattle & Calves on Feed, Jan. 1, 1981 2/	Murray	Lyon	Redwood	Martin	Cottonwd.	Rock	Nobles	Stevens	Jackson	Lincoln

1/Martin and Filmore tied for 4th place, Renville and Redwood tied for 7th place and Stearns and Blue Earth tied for 9th.
2/ Redwood and Martin tied for 3rd place, Cottonwood and Rock tied for 5th place.

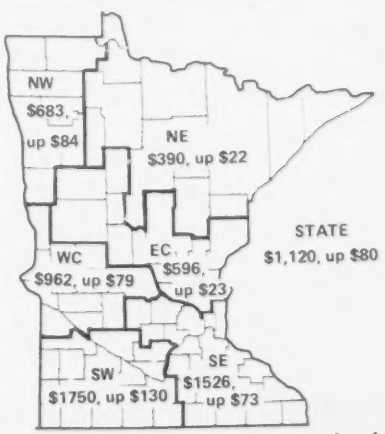
MINNESOTA DISTRICT FARMLAND VALUES 1/

Year	South east	South west	West Central	East Central	North west	North east	Minn-esota
	-----Dollars per Acre-----						
1976	856	1,106	624	349	378	210	667
1977	1,027	1,316	730	415	427	279	794
1978	1,191	1,421	803	498	483	304	889
1979	1,453	1,620	883	573	599	368	1,040
1980	1,526	1,750	962	596	683	390	1,120

1/ From MINNESOTA AGRICULTURAL ECONOMIST, published January 1981, Agricultural Extension Service, University of Minnesota, St. Paul, Minnesota 55108, "The Minnesota Rural Real Estate Market in 1980" by James Landwehr and Philip Raup. Values are based on reporters' estimates of average value per acre of various grades of farmland in their area.

ESTIMATED 1980 AVERAGE LAND VALUES PER ACRE AND CHANGE FROM 1979 *

(excludes Hennepin & Ramsey counties)



*Based on reported estimates of average value of farmland first 6 months of 1980.

Minnesota Farm Numbers
Land in Farms, and Average Farm Size 1/

Year	Number of Farms	Land in Farms	Average size of Farms
	Number	Thousand acres	Acres
1976	104,000	30,100	289
1977	104,000	30,100	289
1978	104,000	30,000	288
1979	104,000	30,000	288
1980	104,000	30,000	288
1981 2/	105,000	30,000	286

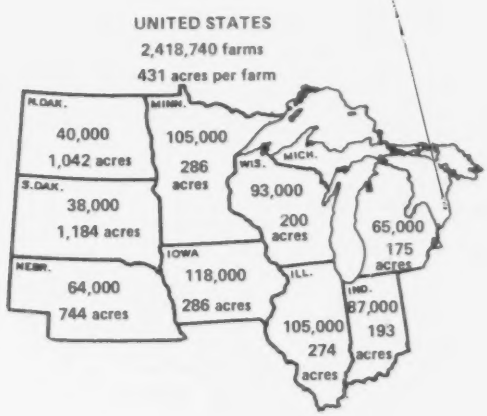
1/ Places which had annual sales of agricultural products of $1,000 or more. Series initiated with 1975.
2/ Preliminary.

As inflation pushes farm and food prices higher, more small Minnesota operations are reporting sales of ag products of $1,000 or more. That means they now qualify as a "farm" under the U.S. Department of Agriculture's definition. The result is an expected "increase" of 2,000 farms in Minnesota in 1981 to 105,000 farms. The increased value of farm products has pushed many smaller operations into the farm count.

Minnesota's 105,000 farms cover 30 million acres, the same as 1980. However average farm size fell 2 acres to 286 acres per farm.

The number of U.S. farms is expected to decline only slightly, from 2.428 million in 1980 to 2.419 million in 1981.

Estimated Number of Farms in 1981



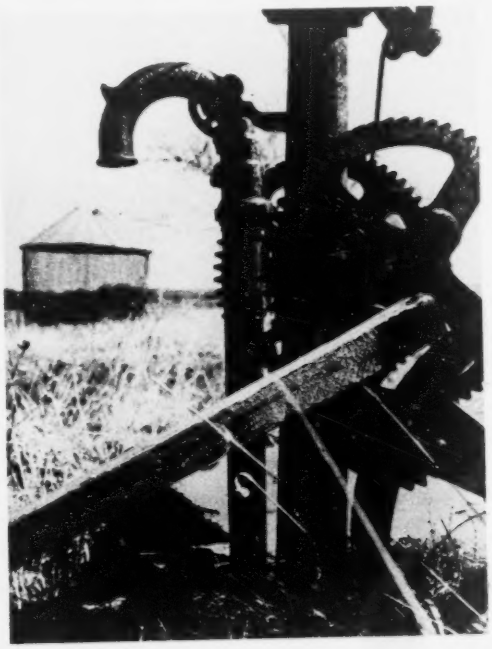


Photo Courtesy THE LAND Magazine, Mankato, Minn.

Minnesota Livestock Farm Numbers 1/

Year	Number of operations with --			
	Cattle	Milk Cows	Hogs	Sheep
1976	73,000	31,000	34,000	7,500
1977	70,000	29,000	33,000	7,500
1978	66,000	28,000	31,000	8,000
1979	63,000	27,000	33,000	8,000
1980	62,000	26,000	35,000	7,900

1/ Operations may have more than one species; addition may be more than total farms.

MINNESOTA FARM NUMBERS, AVERAGE FARM SIZE, AND TOTAL LAND IN FARMS, 1980 1/

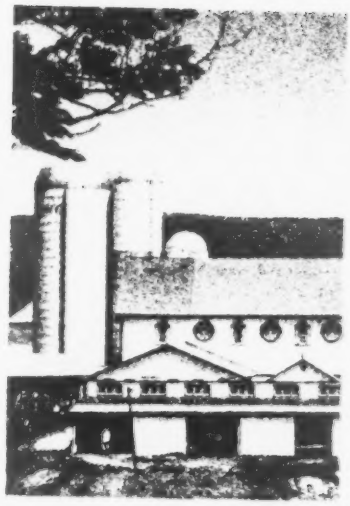
District and County	Number of Farms	Average Farm Size	Total Land in Farms
	No.	Acres	Acres
NW Dist. (1)			
Becker	1,465	317	465,000
Clay	1,220	530	646,200
Clearwater	785	309	242,900
Kittson	720	779	560,600
Mahnomen	480	502	240,900
Marshall	1,670	560	935,900
Norman	960	581	557,300
Pennington	740	467	345,600
Polk	2,055	572	1,175,800
Red Lake	530	454	240,700
Roseau	1,410	478	674,000
Total	12,035	506	6,084,900
NC Dist. (2)			
Beltrami	820	324	266,000
Cass	710	297	210,900
Hubbard	525	259	135,800
Itasca	580	226	131,200
Koochiching	320	317	101,300
Lake of Woods	265	487	129,000
Total	3,220	302	974,200
NE Dist. (3)			
Cook	20	85	1,700
Lake	55	160	8,800
St. Louis	1,020	206	210,300
Total	1,095	202	220,800
WC Dist. (4)			
Big Stone	590	482	284,200
Chippewa	1,080	339	365,600
Douglas	1,380	228	315,200
Grant	690	470	324,300
LacQuiParle	1,170	372	435,100
Otter Tail	3,445	282	970,000
Pope	1,080	319	344,800
Stevens	745	434	323,000
Swift	1,090	393	428,500
Traverse	570	571	325,500
Wilkin	660	680	448,800
Yellow Med.	1,320	349	460,200
Total	13,820	364	5,025,200
Cent. Dist. (5)			
Benton	1,150	193	222,000
Carver	1,265	158	199,400
Kandiyohi	1,660	276	458,000
McLeod	1,700	181	307,500
Meeker	1,510	240	361,700
Morrison	2,240	226	507,100
Renville	1,920	323	620,100
Scott	1,085	164	177,600
Sherburne	740	214	158,600
Sibley	1,610	225	362,700
Stearns	3,610	212	765,000
Todd	2,300	219	502,700
Wadena	820	255	208,800
Wright	2,250	154	345,500
Total	23,860	218	5,196,700
EC Dist. (6)			
Aitkin	795	260	206,400
Anoka	690	164	113,000
Carlton	770	222	171,200
Chisago	1,175	152	178,100
Crow Wing	670	249	166,500
Hennepin	1,010	121	122,500
Isanti	1,005	167	167,500
Kanabec	875	232	203,400
Mille Lacs	1,100	174	191,200
Pine	1,400	240	335,300
Ramsey	120	57	6,800
Washington	840	178	149,400
Total	10,450	192	2,011,300
SW Dist. (7)			
Cottonwood	1,240	321	397,800
Jackson	1,405	313	439,800
Lincoln	975	324	315,600
Lyon	1,275	340	433,400
Murray	1,290	318	410,200
Nobles	1,565	284	444,500
Pipestone	895	306	273,900
Redwood	1,765	312	550,700
Rock	1,080	274	295,900
Total	11,490	310	3,561,800
SC Dist. (8)			
Blue Earth	1,610	268	431,500
Brown	1,485	238	353,400
Faribault	1,435	300	430,500
Freeborn	1,655	256	423,700
LeSueur	1,175	206	242,000
Martin	1,495	296	442,500
Nicollet	1,030	255	262,600
Rice	1,450	185	268,200
Steele	1,165	207	241,200
Waseca	965	260	250,900
Watonwan	935	275	257,100
Total	14,400	250	3,603,600
SE Dist. (9)			
Dakota	1,165	228	266,100
Dodge	1,040	267	277,400
Fillmore	2,070	260	539,200
Goodhue	2,115	211	446,700
Houston	1,275	257	327,300
Mower	1,730	258	445,800
Olmsted	1,685	225	379,800
Wabasha	1,195	248	295,900
Winona	1,355	253	343,300
Total	13,630	244	3,321,500
STATE TOTAL	104,000	288	30,000,000

1/ Farms are defined as places from which $1,000 or more of agricultural products were sold, or normally would be sold, during the previous year.

Minnesota Farm Income

The following farm income estimates show gross farm income, farm production expenses, and net returns to farm operators for their farm work (including unpaid family) and for the capital invested in their farms and equipment.

Realized gross farm income includes cash receipts from farm marketings, government payments to farmers, value of farm products consumed in the home, value of housing provided by farm dwellings, and other farm income from recreation, machine hire, and custom work. Subtracting farm production expenses from realized gross income gives the realized net farm income. The total net income includes adjustments for increases or decreases in crop or livestock inventories.



TOTAL MINNESOTA FARM INCOME

Year	Realized gross farm income					Farm production expenses	Realized net farm income	Net change in farm inventories	Total net farm income
	Cash receipts from farm marketings	Government payments	Non-money income 1/	Other farm income 2/	Total				
	Million dollars					Million dollars			
1976	3,901.8	59.1	365.6	47.2	4,373.7	3,488.8	884.9	-323.7	561.2
1977	4,241.5	82.8	442.0	50.5	4,816.9	3,880.2	936.7	580.4	1,517.2
1978	4,912.0	164.3	499.7	55.1	5,631.1	4,306.0	1,397.5	99.8	1,452.5
1979	5,566.5	68.4	571.7	68.9	6,275.4	5,082.5	1,192.7	151.7	1,414.3
1980 3/	5,973.2								

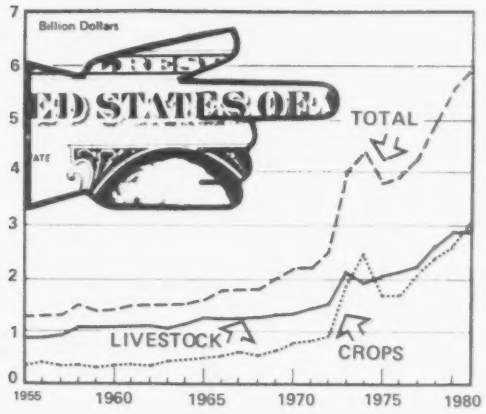
1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Detailed data not available at time of publication.

MINNESOTA AVERAGE INCOME PER FARM 1/

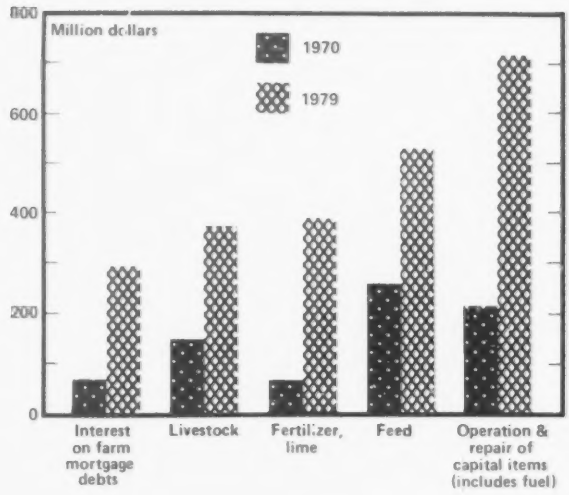
Year	Number of farms	Cash receipts from farm marketings	Realized gross income	Farm production expenses	Realized net income	Total net income
	Thousands	Dollars				
1976	104	37,512	42,055	33,546	8,509	5,396
1977	104	41,019	46,316	37,310	9,007	14,588
1978	104	47,924	54,145	41,403	13,438	13,966
1979	104	53,522	60,340	48,870	11,468	13,599
1980 2/	104	57,435				

1/ Average per farm having sales of $1,000 or more.
2/ Detailed data not available at time of publication.

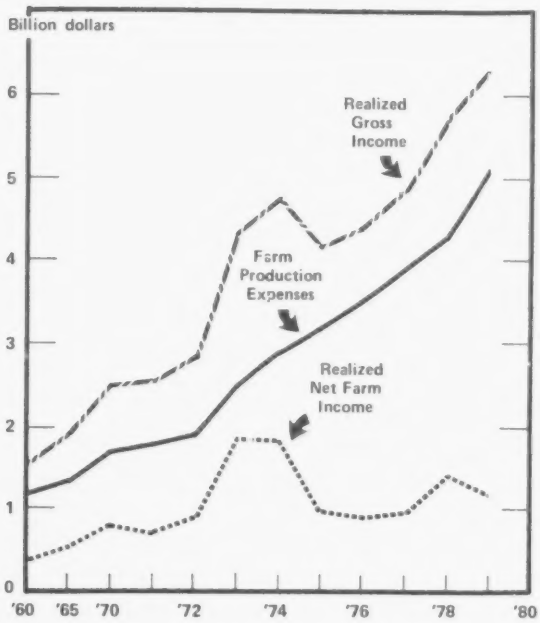
Minn. Cash Farm Receipts Continue Up ...



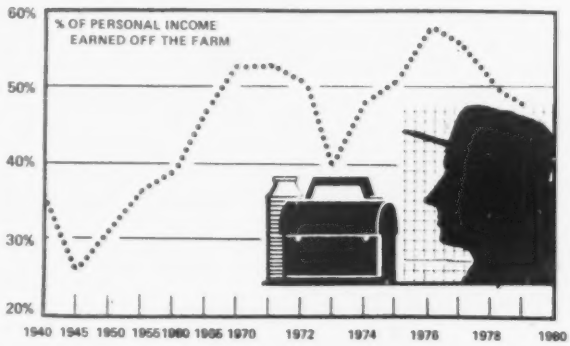
...But Farm Expenses Also Kept Climbing...



... Causing A Drop In Minn. Farmers' Net Income



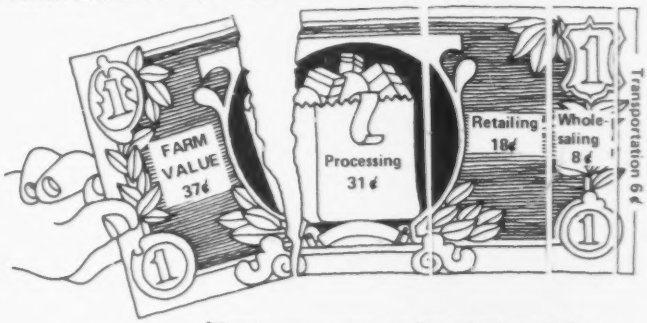
U.S. Farmers Now Earn About Half Their Income Away From Their Farms



(Includes all income received by farm residents from nonfarm sources such as wages and salaries from nonfarm employment, nonfarm business and professional income, rents from nonfarm real estate, dividends, interest, royalties, unemployment compensation, and Social Security payments.)

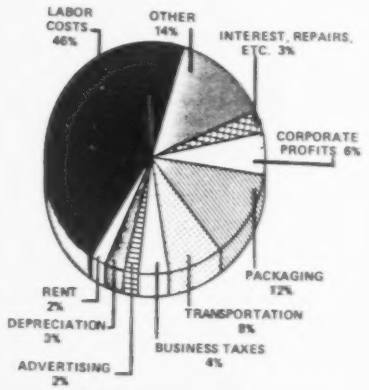
THE FOOD DOLLAR :

PROCESSING & DISTRIBUTION COSTS EXCEED FARM VALUE*



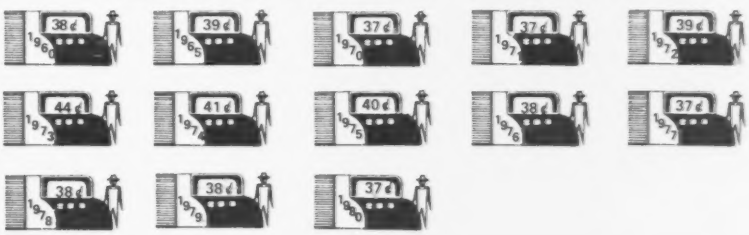
Based on consumer expenditures for domestic farm foods from U.S. retail food stores, 1980.

LABOR TAKES NEARLY HALF OF FOOD MARKETING COSTS*



* Transportation is intercity rail and truck. Corporate profits are before taxes. "Other" includes utilities, fuel, promotion, hired local transportation, insurance, etc. 1979 preliminary.

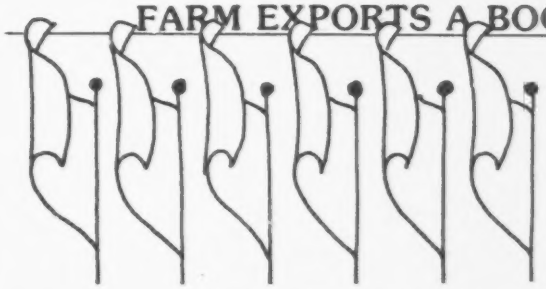
Farmers' Share of the Food Dollar, United States



The farmer's share of the 1980 food dollar was projected at 37¢, a 1¢ drop from 1979.

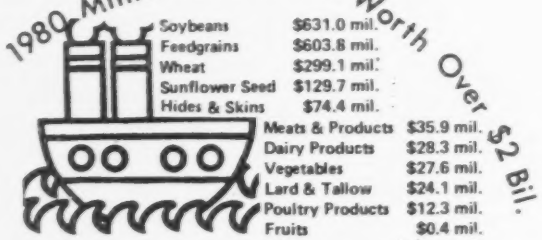
This marks the 5th time in 20 years that the share stood at this low level.

FARM EXPORTS A BOON TO STATE'S ECONOMY



Based on Minnesota's farm output, the state's ag exports rang up a total of over $2 billion in fiscal year 1980.

Shown at the right is the value of these exports by commodity group. These export shares are derived from Minnesota's contribution to U.S. production and/or sales. They are not actual exports but reflect Minnesota's important stake in the national export total.


1980 Minn. Ag Exports Worth Over $2 Bil.
Soybeans $631.0 mil.
Feedgrains $603.8 mil.
Wheat $299.1 mil.
Sunflower Seed $129.7 mil.
Hides & Skins $74.4 mil.
Meats & Products $35.9 mil.
Dairy Products $28.3 mil.
Vegetables $27.6 mil.
Lard & Tallow $24.1 mil.
Poultry Products $12.3 mil.
Fruits $0.4 mil.
Other $137.0 mil.

TOTAL ..... $2,003.6 million

MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY

District and County	1978				1979			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
Northwest Dist. (1)								
Becker	20,236	32,778	2,576	55,590	21,962	37,779	816	60,557
Clay	78.544	17,383	8,005	103,932	86,430	20,682	1,587	108,699
Clearwater	4,863	10,055	499	15,417	5,029	11,758	194	16,981
Kittson	56,409	3,963	8,057	68,429	61,004	4,789	1,767	67,560
Mahnomen	12,039	7,199	2,527	21,765	12,208	8,484	477	21,169
Marshall	90,840	8,594	11,192	110,626	106,043	10,212	2,424	118,679
Norman	66,867	14,323	7,472	88,662	70,100	17,121	1,860	89,081
Pennington	24,703	8,872	2,608	36,183	25,513	10,325	676	36,514
Polk	151,800	18,339	15,019	185,158	163,335	21,803	2,996	188,134
Red Lake	17,883	5,744	2,215	25,842	18,415	6,732	955	26,102
Roseau	37,280	14,789	3,925	55,994	40,092	17,306	944	58,342
Total	561,464	142,039	64,095	767,598	610,131	166,991	14,696	791,818
North Cent. Dist.(2)								
Beltrami	4,135	6,306	490	10,931	4,411	7,542	155	12,108
Cass	1,944	7,888	385	10,217	2,087	9,373	84	11,544
Hubbard	2,046	5,155	262	7,463	2,137	6,007	191	8,335
Itasca	1,657	3,089	136	4,882	1,786	3,700	47	5,533
Koochiching	975	2,057	96	3,128	1,025	2,497	29	3,551
Lake of the Woods	4,789	1,694	508	6,991	5,009	2,053	149	7,211
Total	15,546	26,189	1,877	43,612	16,455	31,172	655	48,282
Northeast Dist. (3)								
Cook	---	---	---	---	---	---	---	---
Lake	110	175	17	302	121	199	7	327
St. Louis	2,746	6,892	235	9,873	2,959	8,053	75	11,087
Total	2,856	7,067	252	10,175	3,080	8,252	82	11,414
West Cent. Dist. (4)								
Big Stone	18,094	16,902	1,875	36,871	20,588	19,569	756	40,913
Chippewa	42,105	24,390	2,139	68,634	44,331	27,722	1,462	73,515
Douglas	12,009	33,212	1,084	46,305	12,794	38,648	635	52,077
Grant	18,262	15,180	2,883	36,325	23,160	17,682	683	41,525
LacQuiParle	43,837	29,043	3,157	76,037	47,204	33,300	1,726	82,230
Otter Tail	31,124	86,916	3,684	121,724	35,248	100,994	1,497	137,739
Pope	21,772	30,830	1,466	54,068	23,356	35,972	924	60,252
Stevens	30,561	41,868	2,264	74,693	32,628	50,295	781	83,704
Swift	46,731	42,596	2,237	91,564	49,772	48,518	1,941	100,231
Traverse	17,545	12,677	2,756	32,978	23,011	14,902	642	38,555
Wilkin	30,660	9,744	5,241	45,645	40,208	10,956	973	52,137
Yellow Medicine	50,710	37,104	3,122	90,936	53,936	42,359	1,756	98,051
Total	363,410	380,462	31,908	775,780	406,236	440,917	13,776	860,929
Central Dist. (5)								
Benton	4,837	27,368	694	32,899	5,398	31,566	419	37,383
Carver	10,112	38,414	598	49,124	11,123	44,521	213	55,857
Kandiyohi	37,076	68,633	2,308	108,017	40,226	78,076	1,913	120,215
McLeod	28,708	43,776	1,139	73,623	30,907	50,285	422	81,614
Meeker	28,034	48,831	1,677	78,542	30,418	55,256	745	86,419
Morrison	7,214	47,592	722	55,528	7,992	55,018	403	63,413
Renville	100,862	48,944	2,001	151,807	105,376	55,791	1,613	162,780
Scott	12,453	24,844	500	37,797	13,661	28,735	212	42,608
Sherburne	11,516	11,542	403	23,461	12,720	12,979	349	26,048
Sibley	42,696	51,662	1,384	95,742	46,339	58,086	594	105,019
Stearns	20,005	132,772	1,837	154,614	22,249	152,433	1,044	175,726
Todd	10,949	47,634	781	59,364	11,964	55,366	405	67,735
Wadena	3,689	17,499	427	21,615	4,022	20,001	211	24,234
Wright	16,355	46,521	760	63,636	17,764	53,736	319	71,819
Total	334,506	656,032	15,231	1,005,769	360,159	751,849	8,862	1,120,870

MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY (CONTINUED)

District and County	1978 Crops	1978 Livestock 1/	1978 Government Payments	1978 Total	1979 Crops	1979 Livestock 1/	1979 Government Payments	1979 Total
	Thousand Dollars				Thousand Dollars			
East Cent. Dist. (6)								
Aitkin	2,421	10,954	183	13,558	2,623	12,757	74	15,454
Anoka	8,405	8,646	213	17,264	9,005	9,811	130	18,946
Carlton	1,558	7,052	162	8,772	1,666	8,372	95	10,133
Chisago	6,790	15,239	929	22,958	7,562	17,979	473	26,014
Crow Wing	1,839	7,012	154	9,005	2,005	8,202	81	10,288
Hennepin	16,459	16,185	180	32,824	17,857	18,945	109	36,911
Isanti	8,280	11,902	704	20,886	9,268	13,847	413	23,528
Kanabec	2,342	13,763	329	16,434	2,628	16,233	95	18,956
Mille Lacs	3,403	20,568	271	24,242	3,817	24,281	129	28,227
Pine	3,721	22,645	470	26,836	4,067	26,552	250	30,869
Ramsey	4,035	188	2	4,225	4,413	208	---	4,621
Washington	15,707	14,808	487	31,002	16,789	17,667	232	34,688
Total	74,960	148,962	4,084	228,006	81,700	174,854	2,081	258,635
Southwest Dist. (7)								
Cottonwood	48,761	46,866	2,080	97,707	52,546	54,559	1,133	108,238
Jackson	56,452	59,630	2,345	118,427	60,925	68,629	894	130,448
Lincoln	17,815	32,758	1,807	52,380	19,354	38,260	750	58,364
Lyon	35,011	63,287	3,122	101,420	37,602	74,041	1,658	113,301
Murray	38,996	59,046	2,493	100,535	42,461	69,304	1,383	113,148
Nobles	42,340	75,145	2,139	119,624	46,066	86,375	1,174	133,615
Pipestone	16,342	38,251	1,303	55,896	17,616	44,857	775	63,248
Redwood	70,543	58,305	2,622	131,470	76,027	67,622	1,772	145,421
Rock	23,945	69,576	1,735	95,256	26,485	82,625	827	109,937
Total	350,205	502,864	19,646	872,715	379,082	586,272	10,366	975,720
South Cent.Dist.(8)								
Blue Earth	63,564	37,631	1,593	102,788	68,531	41,994	1,474	111,999
Brown	39,165	51,867	1,505	92,537	42,073	58,936	891	101,900
Faribault	62,060	46,367	1,292	109,719	66,175	51,896	1,214	119,285
Freeborn	61,465	50,906	1,819	114,190	66,302	55,717	1,553	123,572
LeSueur	29,863	31,650	1,418	62,931	32,058	35,456	749	68,263
Martin	67,560	65,171	1,785	134,516	72,107	73,670	1,534	147,311
Nicollet	34,328	33,989	1,039	69,356	36,882	38,072	975	75,929
Rice	23,693	42,859	1,126	67,678	26,129	48,817	352	75,298
Steele	29,098	35,506	1,293	65,897	31,630	39,729	833	72,192
Waseca	38,830	23,092	992	62,914	42,010	25,450	960	68,420
Watonwan	38,840	29,023	1,323	69,186	41,605	32,359	624	74,588
Total	488,466	448,061	15,185	951,712	525,502	502,096	11,159	1,038,757
Southeast Dist. (9)								
Dakota	30,390	29,404	1,156	60,939	33,006	34,484	790	68,280
Dodge	29,180	33,973	1,758	64,911	31,725	38,753	1,229	71,707
Fillmore	25,610	80,752	1,538	107,900	28,087	91,608	689	120,384
Goodhue	25,392	61,327	1,483	88,202	27,517	71,151	714	99,382
Houston	6,052	48,343	1,062	55,457	6,124	55,920	361	62,405
Mower	43,009	49,712	1,769	94,490	47,135	55,569	1,194	103,898
Olmsted	21,380	48,833	1,377	71,590	23,271	56,798	768	80,837
Wabasha	13,541	39,973	1,055	54,569	14,701	46,177	621	61,499
Winona	12,516	57,599	880	70,995	13,340	66,432	393	80,165
Total	207,070	449,916	12,067	669,053	224,906	516,892	6,759	748,557
State Total	2,398,483	2,761,592	164,345	5,324,420	2,607,251	3,179,295	68,436	5,854,982

1/ Includes estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on previous pages.

SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS

Commodity	1977[1/]		1978[1/]		1979	
	Dollars	Percent of total[2/]	Dollars	Percent of total[2/]	Dollars	Percent of total[2/]
	000	Percent	000	Percent	000	Percent
CROPS --						
Feed Crops:						
Corn	543,542	12.8	581,988	11.8	721,385	13.0
Oats	73,554	1.7	61,239	1.2	44,938	0.8
Barley	84,442	2.0	68,162	1.4	73,824	1.3
Hay	45,734	1.1	41,472	0.8	41,582	0.7
Food Grains:						
Wheat	358,829	8.5	279,450	5.7	332,171	6.0
Rye	4,743	0.1	4,596	0.1	4,224	0.1
Oil Crops:						
Soybeans	583,525	13.8	901,764	18.4	970,216	17.4
Flaxseed	8,571	0.2	16,326	0.3	11,818	0.2
Sunflowers	57,060	1.3	88,561	1.8	135,156	2.4
Vegetable Crops:						
Potatoes	39,522	0.9	45,220	0.9	47,020	0.8
Sweet Corn (Processing)	29,008	0.7	29,106	0.6	26,258	0.5
Green Peas (Processing)	20,130	0.5	18,061	0.4	24,512	0.4
Dry Beans	7,196	0.2	6,472	0.1	11,177	0.2
All Seed Crops[3/]	9,344	0.2	10,353	0.2	10,039	0.2
Apples	3,233	0.1	4,170	0.1	2,745	*
Sugarbeets	88,015	2.1	102,403	2.1	88,121	1.6
Greenhouse & Nursery	33,227	0.8	36,550	0.7	40,205	0.7
Forest Products	3,325	0.1	3,325	0.1	3,658	0.1
Other Crops & Vegetables[4/]	21,922	0.5	26,892	0.5	30,409	0.5
TOTAL CROPS	2,015,772	47.5	2,326,110	47.4	2,619,458	47.1
LIVESTOCK PRODUCTS --						
Meat Animals:						
Cattle and Calves	650,552	15.3	745,689	15.2	946,152	17.0
Hogs	495,959	11.7	658,927	13.4	639,221	11.5
Sheep and Lambs	10,666	0.3	10,777	0.2	11,642	0.2
Dairy Products:						
Milk, Wholesale	816,687	19.3	880,005	17.9	1,026,498	18.4
Poultry & Eggs:						
Turkeys	125,315	3.0	154,885	3.2	165,756	3.0
Turkey Eggs	11,747	0.3	14,041	0.3	17,760	0.3
Broilers	16,828	0.4	19,607	0.4	22,951	0.4
Farm Chickens	1,060	*	1,034	*	1,087	*
Eggs	75,421	1.8	76,423	1.6	88,287	1.6
Honey and Beeswax	6,120	0.1	7,211	0.1	8,344	0.1
Wool	1,257	*	1,244	*	1,372	*
Miscellaneous Other Livestock and Products[5/]	14,153	0.3	16,043	0.3	17,926	0.3
TOTAL LIVESTOCK	2,225,765	52.5	2,585,886	52.6	2,946,996	52.9
TOTAL ALL CROPS AND LIVESTOCK	4,265,992	100.0	4,911,996	100.0	5,566,454	100.0

1/ Revised. 2/ Percents may not add due to method of machine computation. 3/ Kentucky Bluegrass, red clover, timothy, and other seeds.
4/ Asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits and field crops.
5/ Milkfat, retail milk, mink, goats, horses, mules, ducks, geese, and other livestock. * Less than .05 percent.

BEST AVAILABLE COPY

Precipitation - Hydrologic Year October 1979 to September 1980

PRECIPITATION DEPARTURE FROM NORMAL
LESS THAN 4 INCHES BELOW NORMAL
0 TO 4 INCHES BELOW NORMAL
0 TO 4 INCHES ABOVE NORMAL
4 TO 8 INCHES ABOVE NORMAL
8 TO 12 INCHES ABOVE NORMAL
MORE THAN 12 INCHES ABOVE NORMAL

Prepared By:
STATE CLIMATOLOGY OFFICE
DEPT. OF NATURAL RESOURCES

AVERAGE FROST DATES IN MINNESOTA 1/

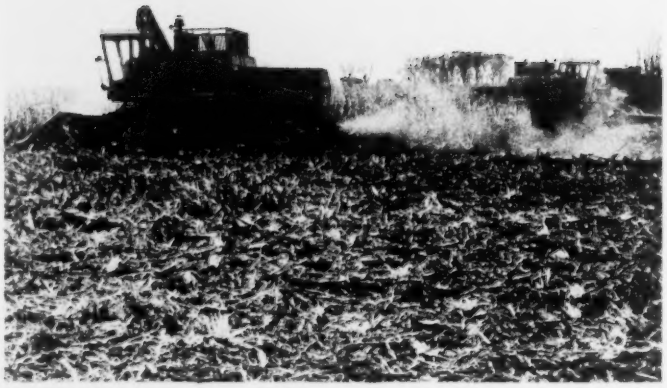
District and station	County	Average date of last temperature occurrence in spring of:			Average date of first temperature occurrence in fall of:			Number of days between average last spring and first fall occurrence of:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	MAY 10	OCT 2	OCT 10	OCT 22	145	164	187
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Mille Lacs	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

The 1980 planting season for row crops got off to an early start in Minnesota and advanced rapidly with few interruptions. Sugarbeet planting was completed shortly after May 1 and 90% of the corn acreage was planted by mid-May. Seeding of most other crops was two-thirds completed by mid-May.

Topsoil moisture became increasingly short until mid and late May showers replenished supplies. As a consequence, germination and emergence of early-seeded fields were spotty and herbicide effectiveness was impaired.

Yields from the first cutting of alfalfa hay were sharply below normal. Yields from the second cutting were also below normal in many areas. Growth of corn and soybeans during mid-season was generally favorable except in west central and northern Minnesota. Growth of sunflowers and sugarbeets was generally well below normal in most of the major producing areas. Harvesting of row crops began early and was completed with few interruptions.



CORN acreage harvested for grain in 1980 at 6.3 million acres was the highest on record for Minnesota farmers. However, production gained only 4 million bushels from 1979 because yields fell 3 bushels to 97 bushels per acre. The 1980 crop of 610 million bushels was the 2nd largest in Minnesota history. Corn for silage totaled 880,000 acres, up 17% from 1979.

Although 1980 yields matched the 1979 level, SOYBEAN output at 152 million bushels fell 6% from the '79 record. The smaller crop resulted from a 7% cutback in plantings to 4.8 million acres.

The 1980 Minnesota WHEAT crop at 102.56 million bushels was 13% more than 1979, for the 3rd largest crop on record. At 3.6 million acres, plantings were the 2nd largest in history, but yields were down by 2.7 bushels per acre. By types, production of SPRING WHEAT (other than Durum) was up 13% to 96.85 million bushels; DURUM production gained 18% to 3.36 million bushels; and WINTER WHEAT output increased 31% to 2.35 million bushels.

Heavier abandonment caused a 3% slip in Minnesota's OAT production. While plantings and yields matched 1979, 3% more acreage than '79 was abandoned.

BARLEY production amounted to 34.64 million bushels, down 15% from 1979. Acreage harvested was up 6% but yield was down 10 bushels per acre.

Farmers harvested 1.9 million bushels of RYE, down 16% from '79. The 25 bushel-per-acre yield held steady but seeded acreage was down 15% and harvested acreage was off 16%.

SUNFLOWER production fell a sharp 44% to 1.05 billion pounds. A 205-pound drop in yields to 1,184 pounds per acre accompanied a 44% cutback in both planted and harvested acres.

The FLAX crop at 1.56 million bushels dropped 30%. Acres for harvest were off 22% and the yield of 12.5 bushels per acre was down 2 bushels per acre.

Despite a 10,000-acre increase in plantings, SUGARBEET tonnage was down 6%. The crop was under weather stress in Minnesota's northwest district, resulting in lower harvested acreage and cutbacks in yields.

ALL HAY production fell 20%. Farmers harvested 2.95 million acres with an average yield of 2.41 tons per acre.

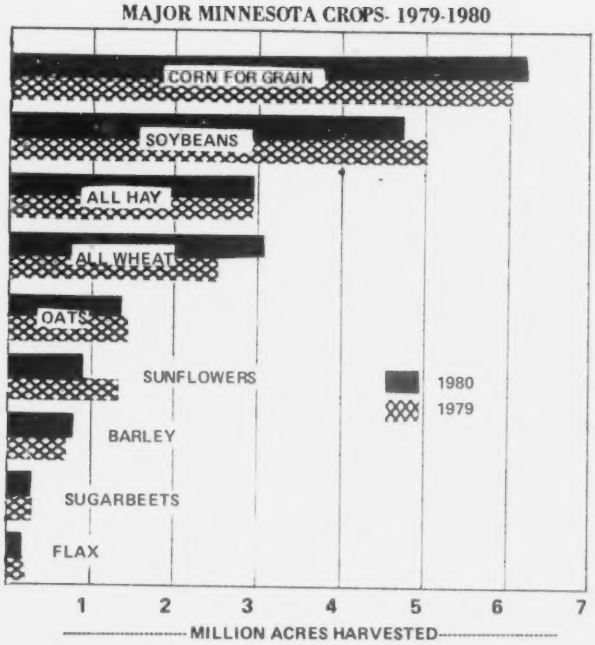
Minnesota DRY EDIBLE BEAN growers produced a record crop of 966,000 pounds, up 72% from 1979. Planted acres were up 237% and harvested acreage up 233% but yields of 1,150 pounds were down 410 pounds per acre.

MINNESOTA'S PRINCIPAL CROPS: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE

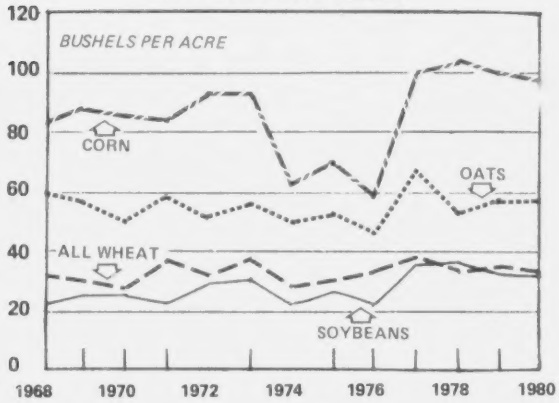
CROP	Harvested Acreage			Unit	Yield per Acre			Unit	Production			Season Average Price		Value of Production	
	1978	1979	1980		1978	1979	1980		1978	1979	1980	1979	1980	1979	1980
	----Thousand Acres -----								--------- Thousands ----------			--- Dollars ---		---Thousand Dollars ---	
Corn for Grain	6,190	6,060	6,290	Bu.	104.0	100.0	97.0	Bu.	643,760	606,000	610,130	2.26	3.05	1,369,560	1,860,897
Corn for Silage	750	750	880	Ton	12.5	13.5	12.0	Ton	9,375	10,125	10,560	Not Estimated		Not Estimated	
Soybeans	4,060	5,080	4,760	Bu.	36.0	32.0	32.0	Bu.	146,160	162,560	152,320	6.00	7.10	975,360	1,081,472
All Wheat	2,776	2,578	3,169	Bu.	33.6	35.1	32.4	Bu.	93,225	90,384	102,556	3.71	4.16	335,284	426,192
Winter Wheat	58	51	69	Bu.	29.0	35.0	34.0	Bu.	1,682	1,785	2,346	3.61	4.10	6,444	9,619
Durum Wheat	98	77	120	Bu.	38.5	37.0	28.0	Bu.	3,773	2,849	3,360	4.36	5.80	12,422	19,488
Other Spring Wheat	2,620	2,450	2,980	Bu.	33.5	35.0	32.5	Bu.	87,770	85,750	96,850	3.69	4.10	316,418	397,085
Oats	1,830	2,490	1,450	Bu.	54.0	57.0	57.0	Bu.	98,820	84,930	82,650	1.26	1.75	107,012	144,638
Barley	1,050	770	815	Bu.	49.5	53.0	42.5	Bu.	51,975	40,810	34,638	2.15	2.95	87,742	102,182
Rye	98	91	76	Bu.	24.0	25.0	25.0	Bu.	2,352	2,275	1,900	2.15	2.70	4,891	5,130
Flaxseed	142	153	125	Bu.	15.5	14.5	12.5	Bu.	2,201	2,219	1,563	6.02	7.15	13,358	11,175
All Hay	2,990	2,950	2,950	Ton	2.95	3.02	2.41	Ton	8,806	8,910	7,115	36.50	67.50	325,215	480,263
Alfalfa Hay	2,140	2,150	2,100	Ton	3.40	3.40	2.70	Ton	7,276	7,310	5,670	NA	NA	NA	NA
All Other Hay	850	800	850	Ton	1.80	2.00	1.70	Ton	1,530	1,600	1,445	NA	NA	NA	NA
Sugarbeets	263	244	242	Ton	18.9	15.5	14.7	Ton	4,971	3,782	3,557	31.80	NA	120,268	NA
All Potatoes	78.0	74.3	69.4	Cwt.	216	198	166	Cwt.	16,870	14,716	11,486	3.11 1/	6.65 1/	45,782	74,867
Summer Potatoes	7.0	6.3	5.4	Cwt.	280	285	290	Cwt.	1,960	1,796	1,566	3.55 1/	NA	6,376	NA
Fall Potatoes	71.0	68.0	64.0	Cwt.	210	190	155	Cwt.	14,910	12,920	9,920	3.05 1/	NA	39,406	NA
All Sunflowers	698	1,347	890	Lb.	1,536	1,389	1,184	Lb.	1,072,020	1,870,620	1,053,600	9.59 1/	10.80 1/	179,443	113,995
Oil Sunflowers	640	1,290	835	Lb.	1,540	1,390	1,190	Lb.	985,600	1,793,100	993,650	9.48 1/	10.70 1/	169,986	106,321
Non-Oil Sunflowers	58	57	55	Lb.	1,490	1,360	1,090	Lb.	86,420	77,520	59,950	12.20 1/	12.80 1/	9,457	7,674
Timothy Seed	49	56	42	Lb.	235	275	115	Lb.	11,515	15,400	4,830	34.00 1/	52.50 1/	5,236	2,536
Red Clover Seed	38	30	30	Lb.	110	95	100	Lb.	4,180	2,850	3,000	55.00 1/	55.50 1/	1,568	1,665
Dry Edible Beans	42	36	84	Lb.	1,410	1,560	1,150	Cwt.	592	562	966	19.30 1/	22.50 1/	10,847	21,735
Apples	-----	-----	-----	---	---	---	---	Mil.Lb.	28.0 2/	15.0 2/	23.0 2/	18.0 3/	17.1 3/	2,700	3,933
	----Actual Acres----								----Actual Production----			----Dollars----		----Thousand Dollars----	
Carrots 4/	1,900	1,700	1,300	Cwt.	365	380	380	Cwt.	694,000	646,000	494,000	5.08	7.38	3,282	3,644
Onions 5/	970	480	760	Cwt.	230	260	265	Cwt.	223,000	125,000	201,000	3.83	12.50	360	2,150
Sweet Corn, Processing	111,500	98,300	101,200	Ton	5.75	5.72	5.42	Tons	641,100	562,280	548,500	46.70	50.00	26,258	27,425
Green Peas, Processing Shelled	67,900	73,000	66,300	Ton	1.22	1.53	1.18	Tons	82,850	111,690	78,230	220.00	244.00	24,572	19,088

1/ Price per hundredweight.
2/ Based on utilized production.
3/ Cents per pound.
4/ For fresh market and processing.
5/ Includes some quantities of storage crop onions harvested but not sold because of shrinkage and waste.

MAJOR MINNESOTA CROPS- 1979-1980

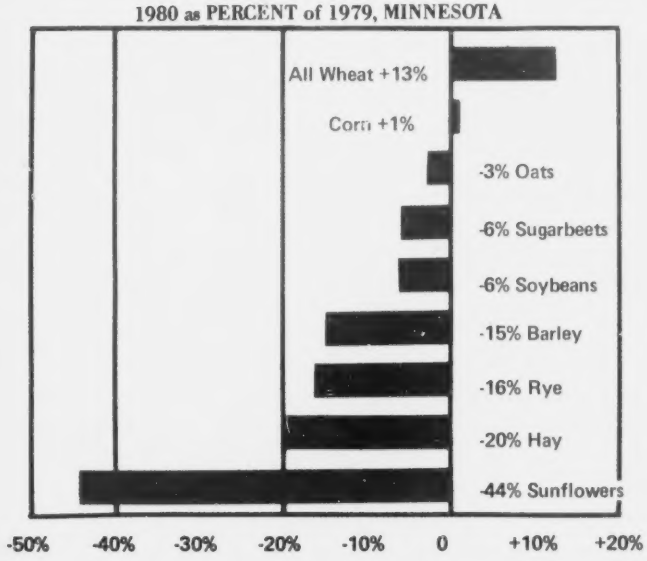


MINNESOTA CROP YIELDS



MINNESOTA FARMERS ON THE "GROW"

CROP PRODUCTION CHANGES
1980 as PERCENT of 1979, MINNESOTA

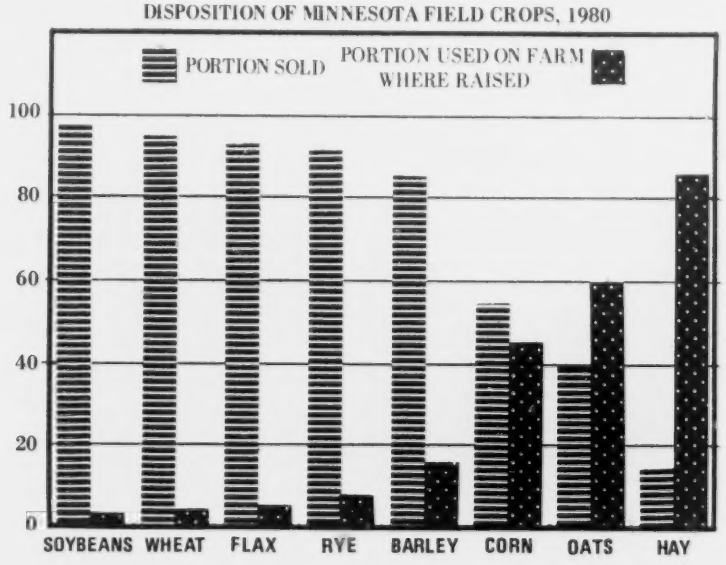


MINNESOTA CROP PRODUCTION, DISPOSITION AND VALUE OF SALES

Crop year	Corn				Soybeans			
	Production	Used on farms where produced	Sold	Value of sales 1/	Production	Used on farms where produced	Sold	Value of sales 1/
	1,000 bushels			1,000 dols.	1,000 bushels			1,000 dols.
1976	330,400	158,592	171,808	348,770	66,440	2,193	64,247	463,863
1977	600,000	276,000	324,000	615,600	133,835	2,275	131,560	776,204
1978	643,760	276,817	366,943	763,241	146,160	2,777	143,383	934,857
1979	606,000	242,400	363,600	821,736	162,560	2,601	159,959	959,754
1980	610,130	268,457	341,673	1,042,103	152,320	2,285	150,035	1,065,249
	All Wheat				Oats			
1976	130,482	3,262	127,220	348,752	94,760	54,013	40,747	63,158
1977	131,894	3,957	127,937	316,530	161,840	82,538	79,302	80,095
1978	93,225	2,517	90,708	268,111	98,820	55,339	43,481	48,699
1979	90,384	2,892	87,492	324,555	84,930	43,314	41,616	52,436
1980	102,556	3,179	99,377	412,981	82,650	49,590	33,060	57,855
	Barley				Rye			
1976	35,260	5,642	29,618	69,602	2,048	164	1,884	4,804
1977	55,080	7,711	47,369	77,211	2,436	219	2,217	4,767
1978	51,975	7,276	44,699	83,587	2,352	165	2,187	4,440
1979	40,810	5,713	35,097	75,459	2,275	159	2,116	4,549
1980	34,638	5,542	29,096	85,833	1,900	152	1,748	4,720
	Flaxseed				All Hay			
1976	1,950	111	1,839	13,480	5,765	4,958	807	56,894
1977	3,190	128	3,062	13,963	8,136	7,241	895	42,513
1978	2,201	110	2,091	11,919	8,806	7,860	1,072	43,952
1979	2,219	78	2,141	12,889	8,910	7,930	980	35,770
1980	1,563	63	1,500	10,725	7,115	6,190	925	62,438

1/ Value of sales is the season average price times the amount of a crop sold. See page 14 for the season average price.

DISPOSITION OF MINNESOTA FIELD CROPS, 1980



CORN FOR GRAIN

Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	1,000 acres 1/	1,000 acres	Bushels	1,000 bushels	Dols. per bu. 2/	1,000 dols.
1976	7,200	5,600	59.0	330,400	2.03	670,712
1977	6,900	6,000	100.0	600,000	1.90	1,140,000
1978	7,000	6,190	104.0	643,760	2.08	1,339,021
1979	6,900	6,060	100.0	606,000	2.26	1,369,560
1980	7,250	6,290	97.0	610,130	3.05	1,860,897

CORN FOR SILAGE

		1,000 acres	Tons	1,000 tons		
1976	--	1,490	6.9	10,281	--	--
1977	--	830	13.0	10,790	--	--
1978	--	750	12.5	9,375	--	--
1979	--	750	13.5	10,125	--	--
1980	--	880	12.0	10,560	--	--

SOYBEANS

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu. 2/	1,000 dols.
1976	3,050	3,020	22.0	66,440	7.22	479,697
1977	3,800	3,770	35.5	133,835	5.90	789,627
1978	4,100	4,060	36.0	146,160	6.52	952,963
1979	5,150	5,080	32.0	162,560	6.00	975,360
1980	4,800	4,760	32.0	152,320	7.10	1,081,472

OATS

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu. 2/	1,000 dols.
1976	2,300	2,060	46.0	94,760	1.55	146,878
1977	2,530	2,380	68.0	161,840	1.01	163,458
1978	2,150	1,830	54.0	98,820	1.12	110,678
1979	1,650	1,490	57.0	84,930	1.26	107,012
1980	1,650	1,450	57.0	82,650	1.75	144,638

BARLEY

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu. 2/	1,000 dols.
1976	880	860	41.0	35,260	2.35	82,861
1977	1,100	1,080	51.0	55,080	1.63	89,780
1978	1,070	1,050	49.5	51,975	1.87	97,193
1979	780	770	53.0	40,810	2.15	87,742
1980	900	815	42.5	34,638	2.95	102,182

RYE

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu. 2/	1,000 dols.
1976	116	105	19.5	2,048	2.55	5,222
1977	104	84	29.0	2,436	2.15	5,237
1978	115	98	24.0	2,352	2.03	4,775
1979	100	91	25.0	2,275	2.15	4,891
1980	85	76	25.0	1,900	2.70	5,130

1/ Acreage planted to corn is for "all purposes."

(continued)

2/ Season Average Prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate, but exclude deficiency payments, if any.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (continued)

ALL WHEAT

Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu.[1/]	1,000 dols.
1976	4,155	4,056	32.2	130,482	2.74	357,693
1977	3,425	3,327	39.6	131,894	2.47	326,320
1978	2,850	2,776	33.6	93,225	2.96	275,551
1979	2,640	2,578	35.1	90,384	3.71	335,284
1980	3,615	3,169	32.4	102,556	4.16	426,192

SPRING WHEAT (OTHER THAN DURUM)

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu.[1/]	1,000 dols.
1976	3,880	3,800	32.5	123,500	2.75	339,625
1977	3,200	3,140	40.0	125,600	2.47	310,232
1978	2,680	2,620	33.5	87,770	2.96	259,799
1979	2,500	2,450	35.0	85,750	3.69	316,418
1980	3,400	2,980	32.5	96,850	4.10	397,085

DURUM WHEAT

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu.[1/]	1,000 dols.
1976	95	93	29.5	2,744	2.60	7,134
1977	85	82	34.5	2,829	2.98	8,430
1978	100	98	38.5	3,773	2.98	11,244
1979	80	77	37.0	2,849	4.36	12,422
1980	140	120	28.0	3,360	5.80	19,488

WINTER WHEAT

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu.[1/]	1,000 dols.
1976	180	163	26.0	4,238	2.58	10,934
1977	140	105	33.0	3,465	2.21	7,658
1978	70	58	29.0	1,682	2.68	4,508
1979	60	51	35.0	1,785	3.61	6,444
1980	75	69	34.0	2,346	4.10	9,619

FLAXSEED

	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dols. per bu.[1/]	1,000 dols.
1976	205	195	10.0	1,950	7.33	14,294
1977	235	220	14.5	3,190	4.56	14,546
1978	145	142	15.5	2,201	5.70	12,546
1979	160	153	14.5	2,219	6.02	13,358
1980	140	125	12.5	1,563	7.15	11,175

SUGARBEETS

	Acres	Acres	Tons	Tons	Dols. per ton[2/]	1,000 dols.
1976	256,000	248,000	12.2	3,026,000	18.70	56,586
1977	264,000	260,000	18.2	4,732,000	20.60	97,479
1978	265,000	263,000	18.9	4,971,000	21.80	108,368
1979	249,000	244,000	15.5	3,782,000	31.80	120,268
1980	259,000	242,000	14.7	3,557,000	NA	NA

1/ Season Average Prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate, but exclude deficiency payments, if any

2/ Excludes Sugar Act payments.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (continued)

ALL SUNFLOWERS

Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	1,000 acres	1,000 acres	Pounds	1,000 lbs.	Dols. per cwt.	1,000 dols.
1976	214	210	1,224	257,100	10.80	27,809
1977	525	518	1,558	807,060	10.10	81.172
1978	710	698	1,536	1,072,020	11.51	123,404
1979	1,400	1,347	1,389	1,870,620	9.59	179,443
1980	920	890	1,184	1,053,600	10.80	113,995

OIL SUNFLOWERS

	1,000 acres	1,000 acres	Pounds	1,000 lbs.	Dols. per cwt.	1,000 dols.
1976	183	180	1,240	223,200	10.50	23,436
1977	455	449	1,590	713,910	10.00	71,391
1978	650	640	1,540	985,600	11.60	114,330
1979	1,340	1,290	1,390	1,793,100	9.48	169,986
1980	860	835	1,190	993,650	10.70	106,321

NON-OIL SUNFLOWERS

	1,000 acres	1,000 acres	Pounds	1,000 lbs.	Dols. per cwt.	1,000 dols.
1976	31	30	1,130	33,900	12.90	4,373
1977	70	69	1,350	93,150	10.50	9,781
1978	60	58	1,490	86,420	10.50	9,074
1979	60	57	1,360	77,520	12.20	9,457
1980	60	55	1,090	59,950	12.80	7,674

ALL HAY

		1,000 acres	Tons	1,000 tons	Dols. per ton	1,000 dols.
1976	--	3,250	1.77	5,765	70.50	406,433
1977	--	3,140	2.59	8,136	47.50	386,460
1978	--	2,990	2.95	8,806	41.00	361,046
1979	--	2,950	3.02	8,910	36.50	325,215
1980	--	2,950	2.41	7,115	67.50	480,263

ALFALFA HAY

		1,000 acres	Tons	1,000 tons		
1976	--	2,190	2.10	4,599	--	--
1977	--	2,200	3.10	6,820	--	--
1978	--	2,140	3.40	7,276	--	--
1979	--	2,150	3.40	7,310	--	--
1980	--	2,100	2.70	5,670	--	--

ALL OTHER HAY

		1,000 acres	Tons	1,000 tons		
1976	--	1,060	1.10	1,166	--	--
1977	--	940	1.40	1,316	--	--
1978	--	850	1.80	1,530	--	--
1979	--	800	2.00	1,600	--	--
1980	--	850	1.70	1,445	--	--

(continued)

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (continued)

ALL POTATOES

Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	Acres	Acres	Cwt.	1,000 cwt.	Dols. per cwt.	1,000 dols.
1976	77,100	75,000	174	13,055	3.23	42,209
1977	83,600	79,500	189	15,023	2.77	41,637
1978	80,100	78,000	216	16,870	2.95	49,461
1979	76,400	74,300	198	14,716	3.11	45,782
1980	70,500	69,400	166	11,486	6.65	74,867

FALL POTATOES

	Acres	Acres	Cwt.	1,000 cwt.	Dols. per cwt.	1,000 dols.
1976	69,000	67,000	165	11,055	3.25	35,929
1977	76,000	72,000	180	12,960	2.74	35,510
1978	73,000	71,000	210	14,910	2.71	40,406
1979	70,000	68,000	190	12,920	3.05	39,406
1980	65,000	64,000	155	9,920	NA	NA

SUMMER POTATOES

	Acres	Acres	Cwt.	1,000 cwt.	Dols. per cwt.	1,000 dols.
1976	8,100	8,000	250	2,000	3.14	6,280
1977	7,600	7,500	275	2,063	2.97	6,127
1978	7,100	7,000	280	1,960	4.62	9,055
1979	6,400	6,300	285	1,796	3.55	6,376
1980	5,500	5,400	290	1,566	NA	NA

DRY EDIBLE BEANS

	Acres	Acres	Pounds	1,000 cwt.	Dols. per cwt.	1,000 dols.
1976	45,000	42,000	870	364	13.20	4,805
1977	33,000	30,000	1,320	396	16.10	6,376
1978	44,000	42,000	1,410	592	13.70	8,110
1979	38,000	36,000	1,560	562	19.30	10,847
1980	90,000	84,000	1,150	966	22.50	21,735

RED CLOVER SEED

		Acres	Pounds 1/	1,000 lbs. 1/	Dols. per cwt.	1,000 dols.
1976	--	29,000	105	3,045	62.50	1,903
1977	--	12,000	100	1,200	69.50	834
1978	--	38,000	110	4,180	58.00	2,424
1979	--	30,000	95	2,850	55.00	1,568
1980	--	30,000	100	3,000	55.50	1,665

TIMOTHY SEED

		Acres	Pounds 1/	1,000 lbs. 1/	Dols. per cwt.	1,000 dols.
1976	--	34,000	200	6,800	30.50	2,074
1977	--	35,000	225	7,875	53.00	4,174
1978	--	49,000	235	11,515	47.00	5,412
1979	--	56,000	275	15,400	34.00	5,236
1980	--	42,000	115	4,830	52.50	2,536

1/ Clean seed.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (continued)

SWEET CORN FOR PROCESSING

Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	Acres	Acres	Tons 1/	Tons 1/	Dols. per ton	1,000 dols.
1976	124,600	116,500	4.32	503,200	43.80	22,040
1977	124,200	120,000	5.40	648,000	46.00	29,808
1978	124,200	111,500	5.75	641,100	45.40	29,106
1979	110,000	98,300	5.72	562,280	46.70	26,258
1980	103,800	101,200	5.42	548,500	50.00	27,425

GREEN PEAS FOR PROCESSING

	Acres	Acres	Tons 2/	Tons 2/	Dols. per ton	1,000 dols.
1976	74,100	72,300	1.13	82,000	191.00	15,662
1977	68,500	65,600	1.53	100,400	201.00	20,180
1978	77,700	67,900	1.22	82,850	218.00	18,061
1979	81,600	73,000	1.53	111,690	220.00	24,572
1980	70,800	66,300	1.18	78,230	244.00	19,088

ONIONS

	Acres	Acres	Cwt.	1,000 cwt. 3/	Dols. per cwt.	1,000 dols.
1976	900	800	215	172	10.80	1,620
1977	1,000	840	260	218	6.35	1,270
1978	1,000	970	230	223	5.90	1,080
1979	1,000	480	260	125	3.83	360
1980	900	760	265	201	12.50	2,150

CARROTS FOR FRESH MARKET AND PROCESSING

	Acres	Acres	Cwt.	1,000 cwt.	Dols. per cwt.	1,000 dols.
1976	1,300	1,100	430	473	3.23	1,527
1977	1,600	1,500	430	645	4.71	3,041
1978	2,100	1,900	365	694	5.21	3,619
1979	2,200	1,700	380	646	5.08	3,282
1980	1,700	1,300	380	494	7.38	3,644

COMMERCIAL APPLES

Crop year	Acreage planted	Acreage harvested	Production	Season average price	Farm value of utilized production
			Mil. lbs.	Cents per lb.	1,000 dols.
1976	--	--	23.5	11.8	2,773
1977	--	--	19.9	16.4	3,264
1978	--	--	28.0	15.1	4,228
1979	--	--	15.0	18.0	2,700
1980	--	--	23.0	17.1	3,933

1/ In husk.
2/ Shelled.
3/ Includes some quantities not marketed and excluded in computing value.

MINNESOTA CROP MARKETINGS: PERCENT BY MONTHS

CORN MARKETINGS

Crop marketing year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1976-1977	11	11	8	9	6	6	7	7	9	9	8	9
1977-1978	17	11	7	5	5	6	7	8	12	8	8	6
1978-1979	12	8	5	5	4	5	7	8	14	15	10	7
1979-1980	5	7	12	4	8	4	5	7	12	13	13	10

SOYBEAN MARKETINGS

Crop marketing year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1976-1977	9	16	4	9	10	14	10	14	7	3	2	2
1977-1978	4	15	5	5	5	9	11	9	10	9	9	9
1978-1979	10	23	4	6	8	5	5	5	7	15	8	4
1979-1980	6	16	3	7	5	8	6	5	10	13	11	10

ALL WHEAT MARKETINGS

Crop marketing year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1976-1977	13	19	7	4	4	5	6	9	9	6	7	11
1977-1978	15	16	6	5	6	5	5	7	7	6	9	13
1978-1979	11	16	11	6	7	6	5	6	4	6	8	14
1979-1980	18	8	8	10	6	11	6	4	6	5	10	8

OAT MARKETINGS

1976-1977	25	18	5	3	3	4	5	6	8	7	8	8
1977-1978	23	14	5	4	4	3	4	5	8	7	10	13
1978-1979	15	21	5	6	5	6	5	8	7	7	6	9
1979-1980	13	16	8	8	3	10	4	4	6	6	9	13

BARLEY MARKETINGS

1976-1977	14	14	7	7	5	5	3	7	9	5	13	11
1977-1978	30	10	3	5	6	9	2	6	8	6	7	8
1978-1979	8	12	6	4	7	12	6	6	6	8	11	14
1979-1980	13	7	3	6	7	9	6	4	4	6	15	20

FLAX MARKETINGS

1976-1977	6	22	33	8	2	3	2	2	5	2	13	2
1977-1978	1	5	18	8	1	6	9	9	12	7	11	13
1978-1979	6	5	23	22	10	2	5	6	7	8	4	2
1979-1980	3	10	31	22	5	4	3	5	10	3	2	2

ALL HAY MARKETINGS

Crop marketing year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1976-1977	16	10	8	7	6	6	7	8	8	10	8	6
1977-1978	17	9	5	5	2	4	3	16	5	12	12	10
1978-1979	15	9	6	4	3	3	4	12	10	12	14	8
1979-1980	12	11	9	4	2	7	8	9	11	13	7	7

MINNESOTA GRAIN AND HAY STOCKS

CORN STOCKS

Year	On farms				All storage positions			
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
	------- 1,000 bushels -------				------- 1,000 bushels -------			
1977	224,672	145,376	112,336	29,736	304,034	215,014	160,424	63,128
1978	438,000	318,000	246,000	120,000	556,762	427,200	325,152	161,614
1979	560,071	457,070	366,943	173,815	684,201	571,139	456,579	246,723
1980	545,400	406,020	309,060	169,680	678,734	526,120	408,970	243,385
1981	494,205	341,673			614,660	450,371		

ALL WHEAT STOCKS

1977	61,327	52,193	44,364	125,299	103,827	95,019	74,777	178,280
1978	104,196	83,093	72,542	110,006	146,184	128,509	106,603	149,876
1979	93,225	72,716	68,987	106,653	119,585	104,482	88,612	143,883
1980	79,538	59,653	36,154	77,943	106,379	92,953	62,364	129,188
1981	68,713	53,329			110,338	90,992		

SOYBEAN STOCKS

1977	39,864	21,261	11,295	3,322 1/	73,994	52,274	32,641	9,232 1/
1978	66,918	45,504	30,782	10,707 1/	107,398	83,628	57,526	19,217 1/
1979	73,080	51,156	38,002	11,693 1/	111,370	84,418	60,419	22,145 1/
1980	89,408	66,650	52,019	21,133 1/	137,001	105,430	79,569	37,688 1/
1981	80,730	67,021			127,030	98,364		

OAT STOCKS

1977	60,646	39,799	24,638	116,525	71,885	48,611	32,010	142,399
1978	108,433	82,538	63,118	102,773	127,623	98,227	79,182	129,750
1979	92,891	68,186	50,398	90,875	114,866	89,137	68,836	115,003
1980	75,588	56,903	39,917	74,385	94,860	73,163	51,107	92,885
1981	61,988	40,499			76,993	52,706		

BARLEY STOCKS

1977	20,098	15,162	8,462	39,658	44,635	38,847	26,886	60,544
1978	33,048	26,989	20,380	54,574	50,258	44,337	35,191	70,264
1979	46,778	34,823	31,705	48,972	62,608	51,714	45,812	76,892
1980	44,075	32,240	23,262	36,024	72,071	57,480	46,022	62,509
1981	24,939	18,358			49,869	43,120		

RYE STOCKS

1977	410	184	123	804	2,727	2,355	1,494	2,888
1978	365	292	122	1,200	1,742	1,286	810	3,911
1979	964	823	706	2,093	3,078	2,368	1,571	5,338
1980	1,001	865	751	1,482	3,978	3,521	3,021	4,347
1981	779	228			2,294	1,628		

FLAX STOCKS

1977	176	127	59	1,914	3,516	2,444	1,558	3,640
1978	1,212	734	255	1,453	3,887	2,971	1,875	3,012
1979	792	484	198	1,575	3,172	2,669	1,209	2,951
1980	999	843	555	1,172	3,703	3,009	1,995	3,657
1981	531	422			3,031	2,140		

HAY STOCKS

	Jan.1	May 1	
	----- 1,000 tons -----		OFF-FARM HAY STOCKS
1977	3,228	922	NOT ESTIMATED
1978	5,451	1,627	
1979	6,076	1,937	
1980	6,772	1,871	
1981	4,696	1,210	

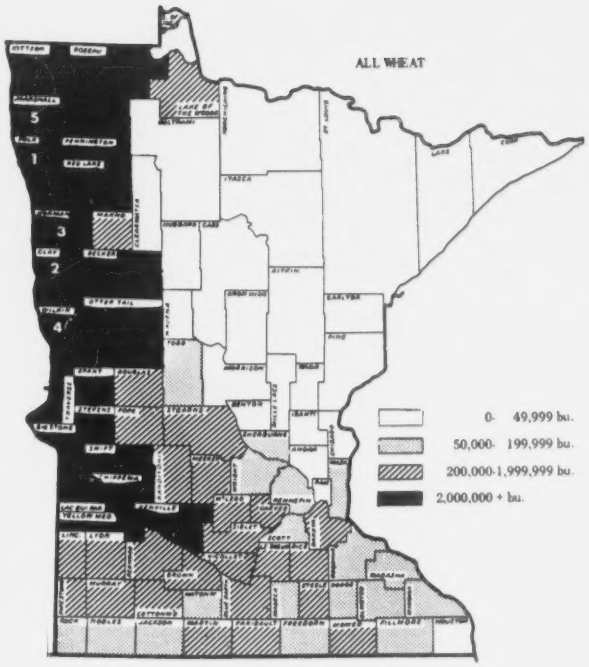
1/ September 1 stocks.

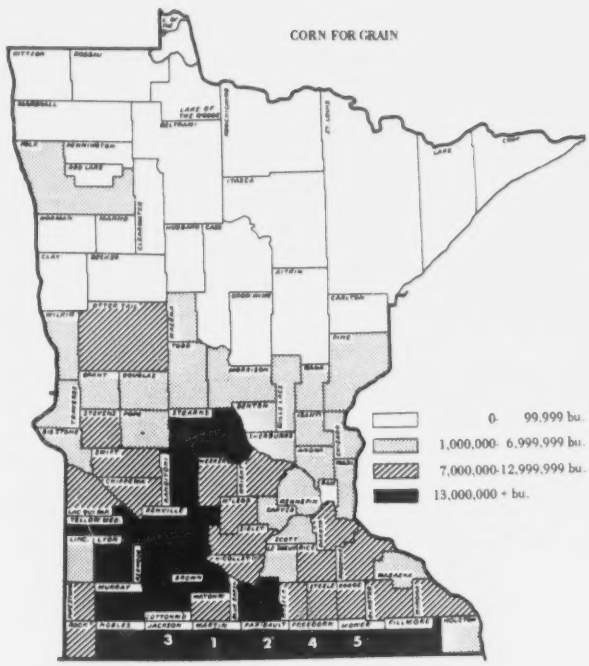
AVERAGE DATES OF PLANTING AND HARVESTING COMPLETION MINNESOTA

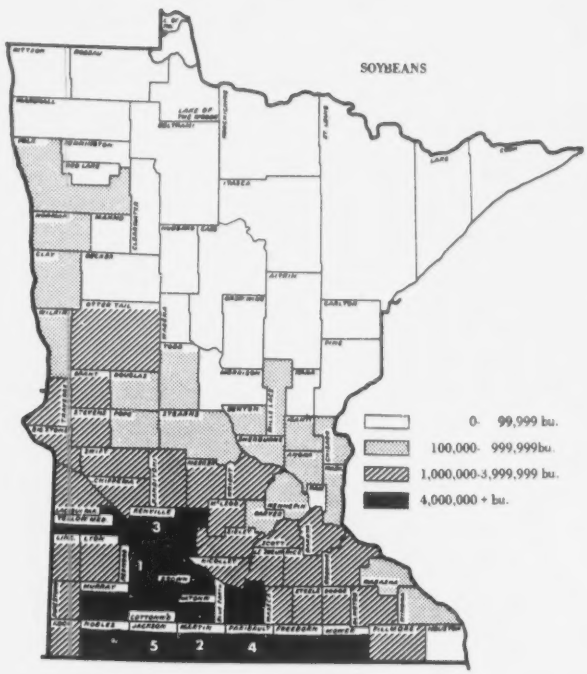
Crop and year	Date Planting completed					Date Harvesting completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1980	APR 28	MAY 1	MAY 5	MAY 11	MAY 20	OCT 7	OCT 14	OCT 21	OCT 30	NOV 5
1979	MAY 14	MAY 17	MAY 21	MAY 26	JUNE 2	OCT 22	NOV 4	NOV 12	NOV 27	DEC 9
1976-1980 Average	APR 29	MAY 3	MAY 10	MAY 19	MAY 26	SEP 29	OCT 9	OCT 20	NOV 2	NOV 15
Soybeans:										
1980	MAY 6	MAY 12	MAY 17	MAY 24	JUN 5	SEP 28	OCT 3	OCT 9	OCT 14	OCT 23
1979	MAY 20	MAY 23	MAY 28	JUN 2	JUN 8	SEP 29	OCT 4	OCT 11	OCT 18	NOV 6
1976-1980 Average	MAY 9	MAY 14	MAY 20	MAY 27	JUN 5	SEP 23	SEP 30	OCT 8	OCT 16	OCT 25
Spring Wheat:										
1980	APR 19	APR 21	APR 25	APR 30	MAY 5	JUL 28	AUG 4	AUG 12	AUG 24	SEP 5
1979	MAY 10	MAY 15	MAY 21	MAY 28	JUN 5	AUG 20	AUG 31	SEP 6	SEP 14	SEP 22
1976-1980 Average	APR 11	APR 20	APR 30	MAY 10	MAY 22	JUL 25	AUG 4	AUG 16	SEP 1	SEP 11
Oats:										
1980	APR 20	APR 23	APR 27	APR 30	MAY 4	JUL 24	JUL 29	AUG 4	AUG 13	AUG 23
1979	MAY 1	MAY 9	MAY 17	MAY 23	JUN 1	AUG 9	AUG 15	AUG 29	SEP 6	SEP 13
1976-1980 Average	APR 12	APR 19	APR 29	MAY 10	MAY 20	JUL 19	JUL 28	AUG 6	AUG 18	SEP 3
Barley:										
1980	APR 20	APR 23	APR 27	MAY 2	MAY 7	JUL 24	JUL 27	AUG 1	AUG 10	AUG 23
1979	MAY 15	MAY 19	MAY 24	MAY 31	JUN 7	AUG 11	AUG 17	AUG 24	SEP 4	SEP 11
1976-1980 Average	APR 17	APR 25	MAY 4	MAY 16	MAY 25	JUL 22	JUL 28	AUG 6	AUG 17	AUG 30
Flax:										
1980	APR 28	MAY 4	MAY 13	MAY 24	JUN 7	AUG 23	AUG 31	SEP 23	OCT 12	OCT 27
1979	MAY 18	MAY 23	JUN 1	JUN 8	JUN 15	SEP 4	SEP 12	SEP 22	OCT 1	OCT 18
1976-1980 Average	APR 26	MAY 6	MAY 17	MAY 30	JUN 7	AUG 12	AUG 27	SEP 12	SEP 28	OCT 17
Sunflowers:										
1980	MAY 3	MAY 6	MAY 13	MAY 20	JUN 3	SEP 26	OCT 1	OCT 8	OCT 19	OCT 31
1979	MAY 22	MAY 25	MAY 31	JUN 6	JUN 13	OCT 1	OCT 8	OCT 18	NOV 5	DEC 2
1976-1980 Average	MAY 4	MAY 10	MAY 19	MAY 28	JUN 6	SEP 18	SEP 29	OCT 7	OCT 19	OCT 30
Alfalfa Hay: 1/										
1980						JUN 6	JUN 11	JUN 16	JUN 23	JUN 29
1979	NOT APPLICABLE					JUN 11	JUN 16	JUN 24	JUL 2	JUL 12
1976-1980 Average						JUN 2	JUN 8	JUN 15	JUN 24	JUL 3
Winter Wheat:										
1980	AUG 27	SEP 3	SEP 11	SEP 20	SEP 29	JUL 19	JUL 23	JUL 30	AUG 6	AUG 16
1979	SEP 2	SEP 8	SEP 17	SEP 24	OCT 2	AUG 2	AUG 8	AUG 14	AUG 23	SEP 4
1976-1980 Average	AUG 29	SEP 6	SEP 16	SEP 25	OCT 5	JUL 13	JUL 22	JUL 31	AUG 8	AUG 18
Rye:										
1980	AUG 28	SEP 3	SEP 14	SEP 22	OCT 2	JUL 22	JUL 22	AUG 1	AUG 7	AUG 17
1979	SEP 3	SEP 10	SEP 19	SEP 26	OCT 4	AUG 5	AUG 9	AUG 15	AUG 27	SEP 3
1976-1980 Average	AUG 29	SEP 7	SEP 18	SEP 28	OCT 7	JUL 8	JUL 24	AUG 1	AUG 10	AUG 20
Sugarbeets:										
1980	APR 17	APR 21	APR 26	MAY 1	MAY 6	OCT 5	OCT 8	OCT 13	OCT 18	OCT 23
1979	MAY 15	MAY 17	MAY 20	MAY 24	MAY 27	OCT 7	OCT 10	OCT 13	OCT 19	OCT 25
1976-1980 Average	APR 21	APR 26	MAY 2	MAY 9	MAY 21	OCT 3	OCT 8	OCT 12	OCT 17	OCT 22

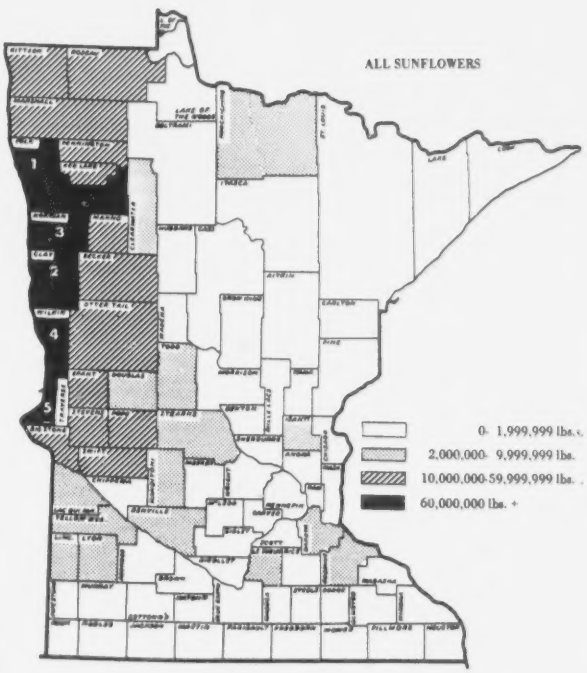
1/ First cutting.

GEOGRAPHIC DISTRIBUTION OF MAJOR MINNESOTA CROPS, 1980









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CORN: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY

District, County and County Rank in 1980 Production ()	Acreage Planted All Purposes		Acreage Harvested for Grain		Yield Per Harv. Acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (66)	25,800	26,000	11,000	9,700	69.0	65.0	759,000	630,500
Clay (65)	23,700	19,000	17,300	9,100	72.0	71.0	1,245,600	646,100
Clearwater (73)	7,600	9,300	3,600	4,700	65.0	48.0	234,000	225,600
Kittson (85)	2,800	900	800	---	71.0	----	56,800	---
Mahnomen (76)	11,900	13,100	6,600	1,600	68.0	68.0	448,800	108,800
Marshall (75)	8,100	12,000	5,000	2,300	69.0	56.0	345,000	128,800
Norman (70)	20,900	18,400	9,600	6,500	68.0	40.0	652,800	260,000
Pennington (79)	3,700	4,500	1,700	600	55.0	58.0	93,500	34,800
Polk (63)	27,800	31,700	19,800	23,800	69.0	52.0	1,366,200	1,237,600
Red Lake (69)	11,600	11,000	8,800	7,800	69.0	52.0	607,200	405,600
Roseau (77)	5,400	6,000	1,100	1,600	67.0	42.0	73,700	67,200
Total	149,300	151,900	85,300	67,700	69.0	55.3	5,882,600	3,745,000
North Cent.Dist. 2								
Beltrami (74)	6,300	9,000	1,500	2,100	68.0	68.0	102,000	142,800
Cass (68)	9,300	11,100	5,000	5,400	59.0	86.0	295,000	464,400
Hubbard (71)	11,300	8,200	7,900	3,000	70.0	84.0	553,000	252,000
Itasca (81)	2,100	3,300	1,000	300	59.0	76.0	59,000	22,800
Koochiching (83)	1,200	2,300	200	200	61.0	77.0	12,200	15,400
Lake of the Woods (80)	700	1,300	---	300	----	79.0	---	23,700
Total	30,900	35,200	15,600	11,300	65.5	81.5	1,021,200	921,100
Northeast Dist. 3								
Cook	---	---	---	---	----	----	---	---
Lake	---	---	---	---	----	----	---	---
St. Louis (84)	700	900	---	100	----	89.0	---	8,900
Total	700	900	---	100	----	89.0	---	8,900
West Cent.Dist. 4								
Big Stone (50)	51,600	55,900	45,800	49,000	85.0	72.0	3,893,000	3,528,000
Chippewa (34)	122,500	105,100	117,300	102,300	94.0	76.0	11,026,200	7,774,800
Douglas (57)	63,700	56,700	42,400	37,300	69.0	65.0	2,925,600	2,424,500
Grant (56)	30,600	38,700	24,400	32,800	82.0	80.0	2,000,800	2,624,000
LacQuiParle (29)	136,500	125,700	128,900	119,200	93.0	79.0	11,987,700	9,416,800
Otter Tail (37)	139,800	159,300	91,900	105,100	68.0	68.0	6,249,200	7,146,800
Pope (39)	101,700	93,400	87,900	76,800	76.0	88.0	6,680,400	6,758,400
Stevens (32)	90,000	102,100	78,900	89,100	87.0	96.0	6,864,300	8,553,600
Swift (27)	140,800	138,300	130,400	127,400	87.0	82.0	11,344,800	10,446,800
Traverse (62)	31,900	35,800	27,200	28,800	67.0	58.0	1,822,400	1,670,400
Wilkin (64)	13,600	17,400	11,100	13,600	68.0	77.0	754,800	1,047,200
Yellow Medicine (11)	165,900	173,900	156,400	160,900	93.0	95.0	14,545,200	15,285,500
Total	1,088,600	1,102,300	942,600	942,300	85.0	81.4	80,094,400	76,676,800
Cent. Dist. 5								
Benton (47)	64,500	75,200	47,900	56,200	78.0	83.0	3,736,200	4,664,600
Carver (45)	67,000	68,500	55,400	53,900	107.0	95.0	5,927,800	5,120,500
Kandiyohi (17)	157,600	160,500	142,900	143,600	94.0	92.0	13,432,600	13,211,200
McLeod (31)	92,400	104,700	82,900	86,600	108.0	104.0	8,953,200	9,006,400
Meeker (24)	117,800	128,300	106,900	115,300	93.0	100.0	9,941,700	11,530,000
Morrison (44)	92,000	100,100	59,400	69,800	70.0	84.0	4,158,000	5,863,200
Renville (9)	186,300	184,900	176,400	180,100	100.0	95.0	17,640,000	17,109,500
Scott (54)	53,500	54,300	46,400	39,300	107.0	71.0	4,964,800	2,790,300
Sherburne (55)	38,400	35,800	33,900	28,900	91.0	95.0	3,084,900	2,745,500
Sibley (26)	117,400	126,100	107,400	115,600	111.0	98.0	11,921,400	11,328,800
Stearns (12)	223,700	227,000	156,900	165,300	79.0	89.0	12,395,100	14,711,700
Todd (46)	102,800	106,200	63,900	65,400	69.0	77.0	4,409,100	5,035,800
Wadena (61)	26,200	30,000	17,400	21,200	70.0	79.0	1,218,000	1,674,800
Wright (33)	97,700	102,800	82,500	86,200	93.0	97.0	7,672,500	8,361,400
Total	1,437,300	1,504,400	1,180,200	1,227,400	92.7	92.2	109,455,300	113,153,700

CORN: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY (CONTINUED)

District, County and County Rank in 1980 Production ()	Acreage Planted All Purposes		Acreage Harvested for Grain		Yield Per Harv. Acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (72)	4,800	5,200	1,900	2,400	60.0	99.0	114,000	237,600
Anoka (60)	17,500	20,500	15,200	19,400	82.0	90.0	1,246,400	1,746,000
Carlton (82)	1,500	1,300	200	200	60.0	88.0	12,000	17,600
Chisago (51)	41,200	44,500	34,500	37,200	82.0	87.0	2,829,000	3,236,400
Crow Wing (67)	12,200	13,500	6,800	8,200	62.0	68.0	421,600	557,600
Hennepin (52)	34,500	34,800	29,500	30,900	95.0	98.0	2,802,500	3,028,200
Isanti (48)	50,400	53,000	44,900	48,100	86.0	86.0	3,861,400	4,136,600
Kanabec (58)	27,700	34,400	19,500	26,400	70.0	83.0	1,365,000	2,191,200
Mille Lacs (53)	33,000	39,700	23,500	30,300	79.0	98.0	1,856,500	2,969,400
Pine (59)	32,000	39,600	18,500	25,900	78.0	84.0	1,443,000	2,175,600
Ramsey (78)	1,000	1,000	800	600	78.0	89.0	62,400	53,400
Washington (49)	35,200	43,000	31,600	40,400	97.0	97.0	3,065,200	3,918,800
Total	291,000	330,500	226,900	270,000	84.1	89.9	19,079,000	24,268,400
Southwest Dist. 7								
Cottonwood (10)	158,700	166,500	143,400	144,200	103.0	109.0	14,770,200	15,717,800
Jackson (3)	179,200	194,800	172,900	187,800	110.0	121.0	19,019,000	22,723,800
Lincoln (41)	109,600	94,300	96,900	79,600	80.0	77.0	7,752,000	6,129,200
Lyon (13)	176,300	162,700	157,900	152,600	84.0	95.0	13,263,600	14,497,000
Murray (14)	164,400	172,500	142,900	150,400	93.0	92.0	13,289,700	13,836,800
Nobles (15)	179,700	183,800	168,900	160,600	100.0	85.0	16,890,000	13,651,000
Pipestone (36)	112,800	116,900	94,400	93,800	82.0	79.0	7,740,800	7,410,200
Redwood (6)	192,700	203,300	179,900	191,900	95.0	102.0	17,090,500	19,573,800
Rock (22)	134,800	134,000	118,400	118,700	107.0	102.0	12,668,800	12,107,400
Total	1,408,200	1,428,800	1,275,600	1,279,600	96.0	98.2	122,484,600	125,647,000
South Cent.Dist. 8								
Blue Earth (7)	172,900	187,000	168,900	182,900	117.0	105.0	19,761,300	19,204,500
Brown (16)	130,000	138,900	118,900	129,900	107.0	105.0	12,722,300	13,639,500
Faribault (2)	179,700	197,300	173,400	192,600	120.0	125.0	20,808,000	24,075,000
Freeborn (4)	182,000	197,900	175,400	190,200	119.0	110.0	20,872,600	20,922,000
LeSueur (42)	83,000	98,200	77,400	85,200	116.0	71.0	8,978,400	6,049,200
Martin (1)	188,400	199,400	177,400	192,600	114.0	130.0	20,223,600	25,038,000
Nicollet (28)	99,000	109,200	93,400	102,900	112.0	100.0	10,460,800	10,290,000
Rice (30)	115,800	126,200	106,400	110,300	116.0	83.0	12,342,400	9,154,900
Steele (23)	107,800	118,100	103,900	114,000	115.0	103.0	11,948,500	11,742,000
Waseca (18)	116,600	122,000	112,900	116,500	124.0	109.0	13,999,600	12,698,500
Watonwan (19)	109,500	113,600	105,400	109,700	113.0	115.0	11,910,200	12,615,500
Total	1,484,700	1,607,800	1,413,400	1,526,800	116.1	108.4	164,027,700	165,429,100
Southeast Dist. 9								
Dakota (38)	96,400	100,700	88,200	86,500	117.0	81.0	10,319,400	7,006,500
Dodge (21)	102,000	116,600	97,900	109,000	113.0	112.0	11,062,700	12,208,000
Fillmore (9)	166,400	183,400	150,400	167,400	112.0	104.0	16,844,800	17,409,600
Goodhue (25)	130,000	136,700	116,400	114,000	108.0	100.0	12,571,200	11,400,000
Houston (43)	66,000	69,600	56,400	54,700	126.0	110.0	7,106,400	6,017,000
Mower (5)	164,500	179,200	157,900	172,900	114.0	117.0	18,000,600	20,229,300
Olmsted (20)	125,000	141,600	112,900	129,000	108.0	95.0	12,193,200	12,255,000
Wabasha (40)	79,000	76,900	69,400	61,900	111.0	100.0	7,703,400	6,190,000
Winona (35)	80,000	83,500	70,900	69,400	115.0	109.0	8,153,500	7,564,600
Total	1,009,300	1,088,200	920,400	964,800	112.9	103.9	103,955,200	100,280,000
STATE TOTAL	6,900,000	7,250,000	6,060,000	6,290,000	100.0	97.0	606,000,000	610,130,000

CORN FOR SILAGE: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY

District, County and County Rank in 1980 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1979	1980	1979	1980	1979	1980
	Acres		Tons		Tons	
Northwest Dist. 1						
Becker (42)	14,500	16,000	9.6	6.3	139,200	100,800
Clay (52)	6,100	9,500	12.7	7.1	77,500	67,500
Clearwater (74)	3,700	3,600	10.5	6.9	38,900	24,800
Kittson (85)	1,700	400	9.7	7.0	16,500	2,800
Mahnomen (55)	5,200	11,500	10.3	5.2	53,600	59,800
Marshall (50)	2,800	8,900	10.5	8.6	29,400	76,500
Norman (49)	10,600	11,100	10.5	6.9	111,300	76,600
Pennington (72)	1,600	3,400	10.5	8.7	16,800	29,600
Polk (62)	7,300	7,000	11.5	6.9	84,000	48,300
Red Lake (78)	2,600	3,000	11.5	6.4	29,900	19,200
Roseau (79)	4,100	2,300	10.5	4.5	43,100	10,400
Total	60,200	76,700	10.6	6.7	640,200	516,300
North Cent. Dist. 2						
Beltrami (61)	4,300	5,700	10.0	8.8	43,000	50,200
Cass (66)	3,800	5,400	10.5	8.6	39,900	46,400
Hubbard (59)	3,000	4,900	10.3	10.7	30,900	52,400
Itasca (73)	500	2,800	10.3	10.2	5,200	28,600
Koochiching (76)	900	2,100	9.5	10.0	8,600	21,000
Lake of the Woods (80)	600	1,000	9.5	9.3	5,700	9,300
Total	13,100	21,900	10.2	9.5	133,300	207,900
Northeast Dist. 3						
Cook	---	---	----	----	---	---
Lake	---	---	----	----	---	---
St. Louis (84)	500	700	9.0	6.0	4,500	4,200
Total	500	700	9.0	6.0	4,500	4,200
West Cent. Dist. 4						
Big Stone (48)	4,900	6,700	12.0	11.9	58,800	79,700
Chippewa (75)	3,700	2,600	15.0	9.4	55,500	24,400
Douglas (15)	19,500	17,700	12.5	11.5	243,800	203,600
Grant (53)	5,100	5,800	14.0	10.9	71,400	63,200
LacQuiParle (60)	6,300	6,100	13.0	8.4	81,900	51,200
Otter Tail (2)	45,700	52,900	10.8	9.2	493,600	486,700
Pope (13)	12,200	16,000	13.0	12.9	158,600	206,400
Stevens (30)	11,100	12,500	14.5	11.2	161,000	140,000
Swift (43)	6,500	10,300	13.5	9.5	87,800	97,900
Traverse (54)	4,400	6,600	13.5	9.2	59,400	60,700
Wilkin (77)	2,300	2,800	12.0	7.2	27,600	20,200
Yellow Medicine (24)	7,300	12,400	14.0	14.0	102,200	173,600
Total	129,000	152,400	12.4	10.5	1,601,600	1,607,600
Cent. Dist. 5						
Benton (20)	15,900	17,700	10.6	10.6	168,500	187,600
Carver (18)	10,900	14,400	16.4	13.8	178,800	198,700
Kandiyohi (22)	12,700	14,300	14.8	12.4	188,000	177,300
McLeod (17)	8,600	12,800	17.6	15.6	151,400	199,700
Meeker (21)	9,700	12,100	15.9	14.8	154,200	179,100
Morrison (4)	30,700	28,400	10.0	11.4	307,000	323,800
Renville (56)	6,200	3,900	17.0	14.4	105,400	56,200
Scott (26)	6,100	13,600	13.5	11.9	82,400	161,800
Sherburne (57)	3,400	6,500	11.0	8.6	37,400	55,900
Sibley (29)	8,800	10,000	16.5	14.1	145,200	141,000
Stearns (1)	64,200	60,800	12.5	13.3	802,500	808,600
Todd (3)	37,400	37,700	10.0	8.9	374,000	335,500
Wadena (41)	8,200	8,200	11.0	12.6	90,200	103,300
Wright (12)	13,900	15,100	14.5	13.9	201,600	209,900
Total	236,700	255,500	12.6	12.3	2,986,600	3,138,400

CORN FOR SILAGE: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY (CONTINUED)

District, County and County Rank in 1980 Production()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1979	1980	1979	1980	1979	1980
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (71)	2,300	2,600	8.5	11.9	19,600	30,900
Anoka (81)	1,800	800	10.5	11.1	18,900	8,900
Carlton (82)	1,100	800	11.5	9.1	12,700	7,300
Chisago (47)	6,200	6,900	11.4	11.6	70,700	80,000
Crow Wing (63)	4,700	4,700	10.0	10.2	47,000	47,900
Hennepin (67)	4,800	3,300	12.4	13.7	59,500	45,200
Isanti (65)	4,500	4,000	10.5	11.7	47,300	46,800
Kanabec (51)	7,200	7,200	10.4	9.5	74,900	68,400
Mille Lacs (39)	8,900	8,000	11.0	13.1	97,900	104,800
Pine (32)	12,900	13,400	11.4	9.9	147,100	132,700
Ramsey (83)	100	400	12.0	12.8	1,200	5,100
Washington (70)	3,000	2,500	13.5	13.8	40,500	34,500
Total	57,500	54,600	11.1	11.2	637,300	612,500
Southwest Dist. 7						
Cottonwood (7)	14,200	20,900	18.4	13.8	261,300	288,400
Jackson (37)	5,400	6,500	19.0	17.4	102,600	113,100
Lincoln (27)	11,700	14,000	11.5	11.2	134,600	156,800
Lyon (28)	15,300	9,500	13.0	15.9	198,900	151,100
Murray (8)	17,300	21,000	13.0	12.6	224,900	264,600
Nobles (9)	9,800	20,500	14.0	12.6	137,200	258,300
Pipestone (5)	15,000	20,300	11.9	14.5	178,500	294,400
Redwood (34)	10,300	9,100	14.5	13.4	149,400	121,900
Rock (11)	15,600	14,400	15.0	15.3	234,000	220,300
Total	114,600	136,200	14.2	13.7	1,621,400	1,868,900
South Cent. Dist. 8						
Blue Earth (69)	3,100	2,200	19.0	16.8	58,900	37,000
Brown (35)	7,400	8,700	16.0	14.0	118,400	121,800
Faribault (64)	4,100	2,500	17.5	18.8	71,800	47,000
Freeborn (40)	5,400	6,500	16.6	15.9	89,600	103,400
LeSueur (31)	4,900	11,700	15.5	11.4	76,000	133,400
Martin (38)	7,800	6,400	17.5	17.4	136,500	111,400
Nicollet (44)	4,900	6,100	18.0	14.4	88,200	87,800
Rice (23)	8,800	15,300	16.5	11.4	145,200	174,400
Steele (58)	3,300	4,000	17.5	13.3	57,800	53,200
Waseca (45)	3,000	5,300	18.5	15.5	55,500	82,200
Watonwan (68)	3,100	3,000	18.0	13.5	55,800	40,500
Total	55,800	71,700	17.1	13.8	953,700	992,100
Southeast Dist. 9						
Dakota (33)	7,700	10,800	16.6	12.2	127,800	131,800
Dodge (36)	3,600	7,100	18.0	16.1	64,800	114,300
Fillmore (10)	15,100	13,700	20.2	16.4	305,000	224,700
Goodhue (6)	13,000	19,800	16.8	14.6	218,400	289,100
Houston (25)	9,200	14,200	21.1	11.9	194,100	169,000
Mower (46)	5,600	5,700	16.0	14.4	89,600	82,100
Olmsted (16)	11,400	12,300	20.0	16.3	228,000	200,500
Wabasha (14)	8,700	13,400	18.5	15.4	161,000	206,400
Winona (19)	8,300	13,300	19.0	14.6	157,700	194,200
Total	82,600	110,300	18.7	14.6	1,546,400	1,612,100
STATE TOTAL	750,000	880,000	13.5	12.0	10,125,000	10,560,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS, AND COUNTIES, MINNESOTA, 1979-1980

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (64)	3,900	4,400	3,700	4,400	26.5	17.0	98,100	74,800
Clay (54)	19,900	18,400	19,700	18,000	27.5	19.0	541,800	342,000
Clearwater (80)	100	100	100	100	26.0	17.0	2,600	1,700
Kittson (72)	400	400	400	400	26.0	16.0	10,400	6,400
Mahnomen (71)	300	500	300	500	28.0	18.0	8,400	9,000
Marshall (63)	5,700	6,300	5,700	4,800	27.0	18.0	153,900	86,400
Norman (61)	4,400	5,800	4,400	5,800	29.0	18.0	127,600	104,400
Pennington (82)	0	0	0	0	0.0	0.0	0	0
Polk (60)	4,500	5,500	4,500	5,500	30.0	21.0	135,000	115,500
Red Lake (83)	0	0	0	0	0.0	0.0	0	0
Roseau (81)	100	100	100	100	26.0	17.0	2,600	1,700
Total	39,300	41,500	38,900	39,600	27.8	18.7	1,080,400	741,900
North Cent. Dist. 2								
Beltrami (79)	100	100	100	100	21.0	19.0	2,100	1,900
Cass (74)	200	200	200	200	25.0	23.0	5,000	4,600
Hubbard (75)	200	200	200	200	25.0	23.0	5,000	4,600
Itasca (78)	300	200	200	100	24.0	22.0	4,800	2,200
Koochiching (77)	0	100	0	100	0.0	23.0	0	2,300
Lake of the Woods (76)	100	100	100	100	26.0	24.0	2,600	2,400
Total	900	900	800	800	24.4	22.5	19,500	18,000
Northeast Dist. 3								
Cook	0	0	0	0	0.0	0.0	0	0
Lake	0	0	0	0	0.0	0.0	0	0
St. Louis	0	0	0	0	0.0	0.0	0	0
Total	0	0	0	0	0.0	0.0	0	0
West Cent. Dist. 4								
Big Stone (42)	50,500	43,100	50,000	42,800	27.5	24.0	1,375,000	1,027,200
Chippewa (25)	124,400	107,400	122,400	106,900	31.0	25.0	3,794,400	2,672,500
Douglas (48)	23,300	28,400	22,500	28,300	26.0	22.0	585,000	622,600
Grant (37)	54,400	53,200	53,900	50,600	27.5	24.0	1,482,300	1,214,400
Lac Qui Parle (17)	155,500	126,100	154,400	125,700	31.5	29.0	4,863,600	3,645,300
Otter Tail (40)	50,500	49,400	50,000	49,300	25.0	23.0	1,250,000	1,133,900
Pope (43)	42,800	38,000	42,300	37,800	26.0	26.0	1,099,800	982,800
Stevens (34)	58,300	50,200	57,700	50,000	28.5	29.0	1,644,500	1,450,000
Swift (23)	122,400	109,400	119,400	109,000	28.0	26.0	3,343,200	2,834,000
Traverse (39)	49,600	50,300	48,900	49,700	28.5	23.0	1,393,700	1,143,100
Wilkin (45)	45,700	41,800	45,200	40,400	25.0	22.0	1,130,000	888,800
Yellow Medicine (9)	173,900	156,100	171,100	155,200	32.0	34.0	5,475,200	5,276,800
Total	951,300	853,400	937,800	845,700	29.3	27.1	27,436,700	22,891,400
Central Dist. 5								
Benton (58)	5,300	5,600	5,200	5,600	28.0	25.0	145,600	140,000
Carver (44)	30,100	28,400	29,800	28,200	37.0	34.0	1,102,600	958,800
Kandiyohi (22)	114,700	97,600	114,100	97,400	30.5	30.0	3,480,100	2,922,000
McLeod (21)	103,000	86,900	102,400	86,700	37.0	34.0	3,788,800	2,947,800
Meeker (26)	87,500	80,900	86,700	80,500	31.0	32.0	2,687,700	2,576,000
Morrison (67)	2,400	3,000	2,300	2,500	20.0	17.0	46,000	42,500
Renville (3)	276,900	224,300	275,600	223,100	30.0	32.0	8,268,000	7,139,200
Scott (41)	38,900	36,600	38,400	36,400	34.0	29.0	1,305,600	1,055,600
Sherburne (47)	14,600	22,400	14,100	22,300	27.0	30.0	380,700	669,000
Sibley (15)	130,200	120,700	128,700	120,400	35.0	33.0	4,504,500	3,973,200
Stearns (46)	22,300	30,800	22,100	29,800	28.0	26.0	618,800	774,800
Todd (56)	8,300	9,000	8,200	8,900	28.0	29.0	229,600	258,100
Wadena (66)	2,400	2,500	2,100	2,500	26.0	25.0	54,600	62,500
Wright (30)	49,600	49,800	49,300	49,400	35.0	33.0	1,725,500	1,630,200
Total	886,200	798,500	879,000	793,700	32.2	31.7	28,338,100	25,149,700

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1979-1980 (CONT.)

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (70)	500	500	500	500	21.0	19.0	10,500	9,500
Anoka (57)	5,300	6,200	5,100	6,000	26.5	28.0	135,200	168,000
Carlton	0	0	0	0	0.0	0.0	0	0
Chisago (51)	19,500	17,700	19,200	17,600	25.0	26.0	480,000	457,600
Crow Wing (68)	1,200	1,600	1,200	1,600	21.0	20.0	25,200	32,000
Hennepin (52)	12,100	15,200	12,000	15,100	35.0	28.0	420,000	422,800
Isanti (53)	12,600	15,100	12,500	15,000	27.5	25.0	343,800	375,000
Kanabec (69)	1,400	1,200	1,200	1,200	28.5	22.0	34,200	26,400
Mille Lacs (59)	3,400	5,300	3,200	5,000	30.0	27.0	96,000	135,000
Pine (65)	2,900	3,600	2,700	3,500	25.0	21.0	67,500	73,500
Ramsey (73)	100	200	100	200	26.0	28.0	2,600	5,600
Washington (49)	17,500	19,200	17,300	18,700	35.5	32.0	614,200	598,400
Total	76,500	85,800	75,000	84,400	29.7	27.3	2,229,200	2,303,800
Southwest Dist. 7								
Cottonwood (7)	178,800	163,300	177,000	163,000	31.0	36.0	5,487,000	5,868,000
Jackson (5)	192,400	185,900	189,900	184,800	34.0	37.0	6,456,600	6,837,600
Lincoln (35)	40,800	51,200	40,300	50,600	30.0	28.0	1,209,000	1,416,800
Lyon (16)	142,800	137,200	139,100	132,900	27.5	29.0	3,825,300	3,854,100
Murray (11)	148,700	146,600	140,100	145,000	32.5	32.0	4,553,300	4,640,000
Nobles (8)	177,800	176,800	177,300	174,700	33.0	31.0	5,850,900	5,415,700
Pipestone (31)	45,700	46,600	45,200	46,500	31.0	35.0	1,401,200	1,627,500
Redwood (1)	266,200	231,400	252,700	229,700	27.5	34.0	6,949,300	7,809,800
Rock (19)	82,600	89,300	82,200	89,200	35.0	37.0	2,877,000	3,300,400
Total	1,275,800	1,228,300	1,243,800	1,216,400	31.0	33.5	38,609,600	40,769,900
South Cent. Dist. 8								
Blue Earth (6)	199,200	188,900	198,000	187,500	37.0	35.0	7,326,000	6,562,500
Brown (10)	142,800	131,700	141,000	130,700	32.0	36.0	4,512,000	4,705,200
Faribault (4)	204,100	190,600	202,700	189,800	33.0	37.0	6,689,100	7,022,600
Freeborn (12)	170,000	154,600	169,500	151,200	36.0	28.0	6,102,000	4,233,600
LeSueuer (28)	78,200	71,200	78,000	70,500	37.5	29.0	2,925,000	2,044,500
Martin (2)	204,100	193,600	200,900	193,000	31.5	39.0	6,328,400	7,527,000
Nicollet (18)	108,800	97,900	107,600	97,700	36.0	36.0	3,873,600	3,517,200
Rice (29)	60,200	54,400	59,800	53,400	36.0	33.0	2,152,800	1,762,200
Steele (24)	86,500	80,900	86,300	80,700	35.5	35.0	3,063,700	2,824,500
Waseca (20)	89,400	85,900	89,200	85,800	36.5	35.0	3,255,800	3,003,000
Watonwan (14)	121,500	115,400	120,100	115,200	34.5	35.0	4,143,500	4,032,000
Total	1,464,800	1,365,100	1,453,100	1,355,500	34.7	34.8	50,371,900	47,234,300
Southeast Dist. 9								
Dakota (33)	64,100	53,000	63,900	52,900	36.5	28.0	2,332,400	1,481,200
Dodge (27)	73,800	65,900	73,600	65,700	32.5	37.0	2,392,000	2,430,900
Fillmore (36)	40,800	44,300	40,600	44,000	31.0	31.0	1,258,600	1,364,000
Goodhue (32)	55,400	52,100	55,300	51,800	32.0	31.0	1,769,600	1,605,800
Houston (62)	2,400	2,700	2,400	2,700	39.0	37.0	93,600	99,900
Mower (13)	157,500	146,500	155,100	145,000	30.5	29.0	4,730,600	4,205,000
Olmstead (38)	36,900	38,700	36,400	38,600	30.0	31.0	1,092,000	1,196,600
Wabasha (50)	16,500	15,700	16,500	15,600	33.0	36.0	544,500	561,600
Winona (55)	7,800	7,600	7,800	7,600	33.5	35.0	261,300	266,000
Total	455,200	426,500	451,600	423,900	32.1	31.2	14,474,600	13,211,000
STATE TOTAL	5,150,000	4,800,000	5,080,000	4,760,000	32.0	32.0	162,560,000	152,320,000

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, MINNESOTA

District, County and County Rank in 1980 Production ( )	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (16)	58,000	76,800	56,000	73,500	33.1	34.6	1,854,000	2,544,700
Clay (2)	194,000	245,100	190,100	219,800	37.7	31.9	7,161,000	7,022,400
Clearwater (53)	9,900	10,600	9,300	6,400	26.1	24.4	242,700	156,100
Kittson (7)	227,100	279,700	223,500	177,800	38.5	23.3	8,607,700	4,145,100
Mahnomen (25)	33,400	40,700	32,600	35,300	33.0	32.7	1,076,300	1,155,900
Marshall (5)	318,500	392,100	313,400	262,500	38.1	21.3	11,927,900	5,582,500
Norman (3)	153,000	198,000	150,000	191,300	36.0	33.2	5,401,200	6,345,500
Pennington (18)	88,000	104,600	86,100	94,400	30.8	25.1	2,648,800	2,371,800
Polk (1)	348,500	417,700	342,300	387,600	39.5	25.4	13,516,700	9,838,600
Red Lake (17)	57,000	74,300	53,200	70,900	31.5	35.0	1,677,000	2,480,200
Roseau (19)	146,100	173,200	142,600	99,500	35.0	22.2	4,991,000	2,210,700
Total	1,633,500	2,012,800	1,599,100	1,619,000	37.0	27.1	59,104,300	43,853,500
North Cent. Dist. 2								
Beltrami (62)	10,000	10,000	9,500	6,400	27.2	15.2	258,000	97,000
Cass (81)	400	400	400	400	26.8	24.5	10,700	9,800
Hubbard (75)	1,200	1,000	1,100	900	30.5	21.1	33,600	19,000
Itasca (74)	700	700	700	700	26.6	28.3	18,600	19,800
Koochiching (58)	4,200	3,200	3,400	3,100	31.9	40.6	108,600	125,800
Lake of the Woods (36)	19,200	15,900	18,400	14,700	36.8	26.5	676,300	390,200
Total	35,700	31,200	33,500	26,200	33.0	25.3	1,105,800	661,600
Northeast Dist. 3								
Cook	0	0	0	0	0.0	0.0	0	0
Lake	0	0	0	0	0.0	0.0	0	0
St. Louis (70)	700	1,100	700	900	26.6	37.0	18,600	33,300
Total	700	1,100	700	900	26.6	37.0	18,600	33,300
West Cent. Dist. 4								
Big Stone (15)	53,900	72,600	52,900	71,200	32.0	37.5	1,690,800	2,667,800
Chippewa (13)	34,600	67,100	33,700	66,000	33.0	47.2	1,112,300	3,114,500
Douglas (30)	27,800	28,800	26,600	26,800	28.0	29.3	743,800	784,800
Grant (10)	95,200	107,800	93,100	103,800	31.0	36.1	2,885,800	3,743,300
Lac Qui Parle (6)	52,200	107,900	51,300	106,000	33.0	40.4	1,691,800	4,278,900
Otter Tail (14)	75,000	88,800	73,500	85,600	30.0	32.8	2,202,800	2,804,800
Pope (23)	31,300	40,300	30,800	39,400	31.0	34.1	954,200	1,344,700
Stevens (11)	68,100	84,000	67,000	82,200	34.0	41.1	2,276,500	3,381,000
Swift (12)	48,600	80,500	47,700	79,300	32.0	40.2	1,527,400	3,190,800
Traverse (8)	103,600	122,000	101,500	119,900	33.0	34.5	3,346,700	4,140,400
Wilkin (4)	139,500	168,900	136,600	163,100	32.9	34.7	4,500,700	5,659,000
Yellow Medicine (20)	26,900	52,700	26,400	51,700	32.9	42.2	869,000	2,182,600
Total	756,700	1,021,400	741,100	995,000	32.1	37.5	23,801,800	37,292,600
Central Dist. 5								
Benton (68)	600	1,000	600	1,000	25.5	37.4	15,300	37,400
Carver (45)	2,700	5,400	2,600	5,200	32.7	40.9	85,100	212,900
Kandiyohi (21)	16,200	49,100	15,900	48,300	32.1	39.2	510,300	1,892,400
McLeod (26)	8,300	25,200	8,100	24,500	34.1	47.1	276,300	1,154,200
Meeker (28)	9,900	25,300	9,500	24,600	32.3	38.7	306,900	951,000
Morrison (67)	900	1,400	900	1,400	26.4	35.3	23,800	49,400
Renville (9)	29,300	100,900	28,400	95,900	31.0	43.1	881,600	4,135,900
Scott (50)	2,700	6,500	2,500	6,100	36.2	29.1	90,600	177,300
Sherburne (59)	2,000	3,800	1,900	3,600	32.4	34.6	61,500	124,400
Sibley (29)	12,200	20,400	11,800	19,700	30.2	46.0	356,700	906,300
Stearns (39)	6,500	9,700	6,300	9,300	24.2	38.1	152,600	354,300
Todd (46)	2,200	6,500	2,100	5,900	29.8	33.7	62,500	198,600
Wadena (69)	700	1,100	700	1,100	29.7	33.3	20,800	36,600
Wright (47)	3,900	6,300	3,700	6,100	30.7	31.3	113,500	190,700
Total	98,100	262,600	95,000	252,700	31.1	41.2	2,957,500	10,421,400

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, MINNESOTA (cont'd)

District, County and County Rank in 1980 Production ( )	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (71)	1,000	900	900	900	29.8	36.7	26,800	33,000
Anoka (73)	500	600	400	600	32.0	33.3	12,800	20,000
Carlton (84)	200	200	200	200	31.0	30.0	6,200	6,000
Chisago (79)	200	400	200	400	30.5	37.5	6,100	15,000
Crow Wing (83)	100	200	100	200	25.0	32.0	2,500	6,400
Hennepin (60)	2,000	4,000	1,700	3,700	32.4	31.0	55,100	114,600
Isanti (76)	500	600	500	600	30.2	31.2	15,100	18,700
Kanabec (80)	300	400	300	400	31.3	32.3	9,400	12,900
Mille Lacs (77)	500	600	400	600	27.5	31.0	11,000	18,600
Pine (82)	100	200	100	200	30.0	33.0	3,000	6,600
Ramsey	100	0	100	0	32.0	0.0	3,200	0
Washington (64)	1,600	2,500	1,500	2,400	38.8	33.4	58,200	80,200
Total	7,100	10,600	6,400	10,200	32.7	32.5	209,400	332,000
Southwest Dist. 7								
Cottonwood (32)	2,900	11,800	2,800	11,400	28.3	46.7	79,200	532,000
Jackson (63)	600	2,200	600	2,100	30.0	41.9	18,000	87,900
Lincoln (22)	18,400	44,700	17,900	43,800	29.2	33.0	522,200	1,444,800
Lyon (27)	12,900	30,900	12,600	30,200	28.1	34.8	354,100	1,049,900
Murray (33)	4,000	12,700	3,900	12,400	28.4	40.7	110,800	505,200
Nobles (56)	1,400	3,800	1,400	3,700	33.1	36.4	46,400	134,800
Pipestone (43)	1,800	6,700	1,800	6,600	25.6	38.7	46,000	255,300
Redwood (24)	13,300	32,800	12,600	31,900	28.3	36.6	357,200	1,166,200
Rock (55)	500	3,700	500	3,600	33.0	38.5	16,500	138,700
Total	55,800	149,300	54,100	145,700	28.7	36.5	1,550,400	5,314,800
South Cent. Dist. 8								
Blue Earth (34)	4,600	11,600	4,100	11,300	34.2	42.5	140,300	480,700
Brown (35)	5,300	11,000	4,200	10,700	29.1	40.3	122,300	430,800
Faribault (44)	3,000	5,500	2,700	5,400	31.3	45.4	84,600	245,100
Freeborn (61)	1,700	3,300	1,600	3,100	33.6	36.0	53,700	111,700
LeSueur (31)	7,800	14,200	7,200	13,500	36.6	41.3	263,400	557,700
Martin (78)	300	400	300	400	34.7	44.0	10,400	17,600
Nicollet (38)	4,900	8,600	4,700	8,400	32.3	42.8	152,000	359,800
Rice (42)	2,700	7,000	2,600	6,800	34.5	42.1	89,800	286,100
Steele (41)	1,100	8,900	1,000	8,000	36.4	39.6	36,400	316,400
Waseca (52)	2,500	3,900	2,400	3,800	37.2	41.5	89,300	157,600
Watonwan (57)	2,600	3,000	2,500	3,000	31.0	43.6	77,400	130,700
Total	36,500	77,400	33,300	74,400	33.6	41.6	1,119,600	3,094,200
Southeast Dist. 9								
Dakota (37)	5,100	12,800	4,500	11,300	36.7	33.6	165,300	379,900
Dodge (51)	2,100	3,900	2,000	3,800	32.0	43.1	63,900	163,900
Fillmore (49)	700	5,300	700	5,000	36.3	36.4	25,400	182,200
Goodhue (48)	2,800	7,300	2,600	6,600	36.4	28.1	94,600	185,400
Houston (72)	400	900	400	800	37.8	34.3	15,100	27,400
Mower (40)	1,800	8,900	1,700	8,600	32.3	39.4	54,900	338,500
Olmsted (65)	1,100	2,900	1,100	2,600	30.1	29.1	33,100	75,700
Wabasha (66)	800	2,000	800	1,700	34.3	33.1	27,400	56,200
Winona (54)	1,100	4,600	1,000	4,500	36.9	31.9	36,900	143,400
Total	15,900	48,600	14,800	44,900	34.9	34.6	516,600	1,552,600
STATE TOTAL	2,640,000	3,615,000	2,578,000	3,169,000	35.1	32.4	90,384,000	102,556,000

SPRING WHEAT: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY

District, County and County Rank in 1980 Production ( )	Acreage Planted		Acreage Harvested		Yield per Harv. Acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (17)	54,000	73,000	53,000	69,900	33.0	34.8	1,749,000	2,431,000
Clay (3)	165,000	198,000	162,200	181,500	37.5	32.5	6,082,500	5,902,000
Clearwater (57)	9,000	8,600	8,500	4,700	25.8	24.5	219,300	115,000
Kittson (7)	225,400	276,900	222,000	176,000	38.5	23.3	8,547,000	4,103,000
Mahnomen (24)	32,500	39,700	31,900	34,400	33.0	32.8	1,052,700	1,128,000
Marshall (5)	310,000	378,100	305,300	253,400	38.0	21.4	11,601,400	5,423,000
Norman (2)	150,000	193,100	147,400	187,300	36.0	33.2	5,306,400	6,217,000
Pennington (18)	85,700	101,400	84,200	91,400	30.7	25.2	2,584,900	2,303,000
Polk (1)	330,000	387,500	324,600	360,100	39.5	25.6	12,821,700	9,208,000
Red Lake (16)	56,000	73,000	52,400	69,900	31.5	35.1	1,650,600	2,455,000
Roseau (20)	135,000	162,300	132,700	91,400	35.0	22.5	4,644,500	2,057,000
Total	1,552,600	1,891,600	1,524,200	1,520,000	36.9	27.2	56,260,000	41,342,000
North Cent. Dist. 2								
Beltrami (60)	9,400	9,600	9,000	6,000	27.0	15.0	243,000	90,000
Cass (79)	300	300	300	300	26.0	23.0	7,800	6,900
Hubbard (72)	900	900	900	800	30.0	19.6	27,000	15,700
Itasca (71)	600	600	600	600	26.0	28.0	15,600	16,800
Koochiching (51)	4,000	3,200	3,300	3,100	32.0	40.6	105,600	125,800
Lake of the Woods (36)	18,000	15,400	17,400	14,200	37.0	26.6	643,800	377,600
Total	33,200	30,000	31,500	25,000	33.1	25.3	1,042,800	632,800
Northeast Dist. 3								
Cook	---	---	---	---	----	----	---	---
Lake	---	---	---	---	----	----	---	---
St. Louis (67)	600	1,000	600	800	26.0	37.9	15,600	30,300
Total	600	1,000	600	800	26.0	37.9	15,600	30,300
West Cent. Dist. 4								
Big Stone (15)	52,000	69,600	51,200	68,300	32.0	37.4	1,638,400	2,552,000
Chippewa (12)	34,000	66,400	33,100	65,300	33.0	47.3	1,092,300	3,087,000
Douglas (30)	25,500	25,200	24,500	23,300	28.0	30.0	686,000	698,300
Grant (10)	94,000	106,000	92,100	102,100	31.0	36.1	2,855,100	3,689,000
LacQuiParle (6)	51,000	106,300	50,200	104,400	33.0	40.5	1,656,600	4,223,000
Otter Tail (14)	73,000	86,000	71,700	82,800	30.0	32.9	2,151,000	2,720,000
Pope (23)	31,000	39,900	30,500	39,000	31.0	34.1	945,500	1,331,800
Stevens (11)	67,000	82,600	66,000	80,800	34.0	41.2	2,244,000	3,330,000
Swift (13)	46,500	77,300	45,800	76,100	32.0	40.4	1,465,600	3,078,000
Traverse (9)	101,000	117,400	99,000	115,300	33.0	34.5	3,267,000	3,982,000
Wilkin (4)	136,000	164,900	133,700	159,100	33.0	34.7	4,412,100	5,527,200
Yellow Medicine (19)	25,500	51,200	25,100	50,200	33.0	42.4	828,300	2,126,000
Total	736,500	992,800	722,900	966,700	32.2	37.6	23,241,900	36,344,300
Cent. Dist. 5								
Benton (76)	200	300	200	300	25.0	39.0	5,000	11,700
Carver (47)	1,800	3,500	1,700	3,400	32.0	41.7	54,400	141,700
Kandiyohi (21)	15,000	46,800	14,800	46,100	32.0	39.3	473,600	1,811,000
McLeod (26)	7,000	22,400	6,900	21,900	33.0	47.4	227,700	1,037,000
Meeker (28)	8,000	21,100	7,900	20,700	31.0	39.7	244,900	822,100
Morrison (68)	500	500	500	500	25.0	38.8	12,500	19,400
Renville (8)	28,000	98,100	27,200	93,400	31.0	43.3	843,200	4,043,000
Scott (58)	1,500	3,900	1,400	3,800	33.0	26.0	46,200	98,800
Sherburne (64)	1,000	1,500	1,000	1,500	30.0	34.5	30,000	51,800
Sibley (29)	10,500	16,700	10,300	16,300	29.0	46.9	298,700	763,800
Stearns (41)	5,000	6,500	4,900	6,400	23.0	38.3	112,700	245,000
Todd (45)	1,800	5,600	1,700	5,100	30.0	33.6	51,000	171,300
Wadena (78)	300	300	300	300	30.0	32.7	9,000	9,800
Wright (56)	3,000	4,200	2,900	4,000	29.0	29.1	84,100	116,300
Total	83,600	231,400	81,700	223,700	30.5	41.8	2,493,000	9,342,700

SPRING WHEAT: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY (CONTINUED)

District, County and County Rank in 1980 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (69)	700	500	700	500	30.0	38.2	21,000	19,100
Anoka (80)	200	200	200	200	32.0	32.0	6,400	6,400
Carlton (83)	200	200	200	200	31.0	30.0	6,200	6,000
Chisago (77)	100	300	100	300	30.0	37.3	3,000	11,200
Crow Wing (81)	100	200	100	200	25.0	32.0	2,500	6,400
Hennepin (62)	900	2,500	900	2,400	32.0	31.0	28,800	74,400
Isanti (73)	400	500	400	500	30.0	30.6	12,000	15,300
Kanabec (82)	100	200	100	200	31.0	32.0	3,100	6,400
Mille Lacs (75)	300	400	200	400	26.0	31.8	5,200	12,700
Pine (84)	100	100	100	100	30.0	32.0	3,000	3,200
Ramsey (87)	---	---	---	---	----	----	---	---
Washington (65)	900	1,500	900	1,400	38.0	31.5	34,200	44,100
Total	4,000	6,600	3,900	6,400	32.2	32.1	125,400	205,200
Southwest Dist. 7								
Cottonwood (31)	2,700	11,600	2,600	11,200	28.0	46.7	72,800	523,000
Jackson (61)	500	2,100	500	2,000	29.0	42.0	14,500	84,000
Lincoln (22)	17,000	42,800	16,600	42,000	29.0	32.9	481,400	1,383,000
Lyon (27)	12,500	30,400	12,200	29,700	28.0	34.8	341,600	1,034,000
Murray (32)	3,500	12,000	3,400	11,700	28.0	41.0	95,200	479,900
Nobles (55)	1,000	3,300	1,000	3,200	32.0	36.5	32,000	116,900
Pipestone (42)	1,500	6,300	1,500	6,200	25.0	38.5	37,500	238,700
Redwood (25)	12,000	31,000	11,400	30,100	28.0	36.6	319,200	1,102,000
Rock (48)	500	3,600	500	3,500	33.0	38.5	16,500	134,800
Total	51,200	143,100	49,700	139,600	28.4	36.5	1,410,700	5,096,300
South Cent. Dist. 8								
Blue Earth (34)	3,500	10,300	3,100	10,100	33.0	42.5	102,300	429,300
Brown (35)	4,000	9,800	3,300	9,600	28.0	40.5	92,400	388,800
Faribault (44)	2,600	4,700	2,300	4,600	30.0	45.5	69,000	209,300
Freeborn (59)	1,200	2,800	1,100	2,600	32.0	35.9	35,200	93,400
LeSueur (33)	5,700	11,600	5,300	11,100	35.0	42.2	185,500	467,900
Martin (74)	200	300	200	300	33.0	43.7	6,600	13,100
Nicollet (37)	4,100	7,400	4,000	7,300	31.0	43.0	124,000	313,900
Rice (39)	2,200	6,700	2,100	6,500	34.0	42.2	71,400	274,100
Steele (40)	1,000	7,300	900	6,400	36.0	39.5	32,400	252,800
Waseca (49)	2,000	3,300	1,900	3,200	37.0	41.4	70,300	132,400
Watonwan (53)	2,000	2,700	1,900	2,700	30.0	44.0	57,000	118,800
Total	28,500	66,900	26,100	64,400	32.4	41.8	846,100	2,693,800
Southeast Dist. 9								
Dakota (43)	2,600	8,100	2,400	6,800	35.0	32.0	84,000	217,600
Dodge (52)	1,600	2,900	1,500	2,800	30.0	43.2	45,000	120,900
Fillmore (46)	500	4,900	500	4,600	36.0	36.2	18,000	166,700
Goodhue (50)	1,600	4,900	1,500	4,400	35.0	29.0	52,500	127,400
Houston (70)	300	600	300	500	38.0	35.0	11,400	17,500
Mower (38)	1,100	7,900	1,100	7,600	31.0	40.0	34,100	303,800
Olmsted (63)	900	2,300	900	2,000	29.0	28.7	26,100	57,400
Wabasha (66)	500	1,200	500	1,000	35.0	34.0	17,500	34,000
Winona (54)	700	3,800	700	3,700	37.0	31.7	25,900	117,300
Total	9,800	36,600	9,400	33,400	33.5	34.8	314,500	1,162,600
STATE TOTAL	2,500,000	3,400,000	2,450,000	2,980,000	35.0	32.5	85,750,000	96,850,000

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS, AND COUNTIES, MINNESOTA, 1979-1980

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage Harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (30)	32,900	33,500	31,600	26,100	51.0	36.1	1,611,600	943,500
Clay (47)	18,000	16,700	16,900	16,100	60.0	44.1	1,014,000	710,700
Clearwater (65)	23,200	20,400	22,000	13,600	42.5	27.5	935,000	374,500
Kittson (74)	9,000	7,100	8,300	5,700	50.0	48.9	415,000	278,600
Mahnomen (37)	22,000	18,900	20,700	17,800	52.5	49.0	1,086,800	873,000
Marshall (28)	32,000	41,000	30,600	34,400	53.0	28.6	1,621,800	985,100
Norman (26)	22,800	20,300	21,000	19,500	54.0	55.1	1,134,000	1,074,000
Pennington (51)	18,400	21,000	17,100	19,400	44.0	32.2	752,400	625,300
Polk (54)	23,000	18,900	22,100	14,100	57.0	41.3	1,259,700	582,400
Red Lake (63)	12,500	10,600	11,400	7,700	50.0	53.7	570,000	413,200
Roseau (35)	33,000	33,300	31,500	22,500	60.0	38.9	1,890,000	875,700
Total	246,800	241,700	233,200	196,900	52.7	39.3	12,290,300	7,736,000
North Cent. Dist. 2								
Beltrami (71)	15,200	17,500	13,900	10,000	41.0	29.6	569,900	296,000
Cass (83)	5,500	5,100	4,600	2,900	46.0	39.8	211,600	115,300
Hubbard (80)	11,700	10,300	9,900	5,500	45.0	25.2	445,500	138,700
Itasca (81)	5,900	5,700	5,200	3,100	41.0	41.3	213,200	127,900
Koochiching (73)	5,500	8,600	4,900	6,700	42.0	43.0	205,800	288,200
Lake of the Woods (75)	11,500	8,600	11,000	5,900	63.0	45.4	693,000	267,900
Total	55,300	55,800	49,500	34,100	47.3	36.2	2,339,000	1,234,000
Northeast Dist. 3								
Cook (87)	100	100	100	0	42.0	0	4,200	0
Lake (86)	100	100	100	100	42.0	50.0	4,200	5,000
St. Louis (76)	5,500	7,200	4,800	4,600	44.0	49.6	211,200	228,200
Total	5,700	7,400	5,000	4,700	43.9	49.6	219,600	233,200
West Cent. Dist. 4								
Big Stone (20)	18,900	20,800	17,200	20,400	65.0	60.8	1,118,000	1,240,000
Chippewa (45)	11,100	10,500	9,800	10,200	67.0	71.7	656,600	731,500
Douglas (5)	62,000	58,100	58,900	56,500	56.5	44.1	3,327,900	2,491,000
Grant (53)	12,000	11,400	11,000	10,600	57.0	55.2	627,000	585,600
Lac Qui Parl (23)	25,000	20,600	20,900	20,200	63.0	56.2	1,316,700	1,135,000
Otter Tail (2)	139,000	137,800	132,000	126,100	53.0	41.5	6,996,000	5,232,000
Pope (4)	44,000	48,100	41,300	46,600	60.5	59.6	2,498,700	2,777,000
Stevens (29)	17,500	14,700	16,400	13,600	62.0	71.0	1,016,800	965,200
Swift (25)	20,100	19,300	16,100	19,000	60.0	58.3	966,000	1,108,000
Traverse (42)	15,000	15,100	14,200	14,200	64.5	55.9	915,900	793,800
Wilkin (69)	13,000	9,400	12,100	7,600	60.0	40.8	726,000	309,900
Yellow Medicine (40)	17,500	13,900	14,600	12,300	68.0	68.7	992,800	845,000
Total	395,100	379,700	364,500	357,300	58.0	51.0	21,158,400	18,214,000
Central District 5								
Benton (27)	18,000	18,900	16,500	17,300	51.5	60.5	849,800	1,046,000
Carver (34)	11,200	13,800	10,500	12,300	60.0	72.0	630,000	886,200
Kandiyohi (6)	27,500	34,500	24,500	32,900	60.0	68.6	1,470,000	2,257,000
McLeod (18)	18,700	19,700	17,000	17,200	68.0	77.6	1,156,000	1,334,000
Meeker (22)	21,300	21,500	20,100	19,100	68.0	62.6	1,366,800	1,195,000
Morrison (7)	36,000	38,200	32,600	35,400	52.5	61.4	1,711,500	2,172,000
Renville (19)	18,000	18,800	16,600	17,700	69.0	75.3	1,145,400	1,333,000
Scott (64)	10,300	10,600	9,500	9,400	68.0	42.5	646,000	399,200
Sherburne (78)	3,200	4,300	3,000	4,000	50.0	54.5	150,000	217,900
Sibley (33)	14,000	13,900	12,300	12,800	64.0	71.2	787,200	911,700
Stearns (1)	96,100	93,800	90,300	89,300	55.5	65.4	5,011,700	5,840,000
Todd (3)	56,300	58,500	53,500	55,100	55.5	52.3	2,969,300	2,881,000
Wadena (50)	14,000	16,600	12,500	14,700	54.5	47.3	681,300	695,800
Wright (12)	27,400	26,900	25,100	24,000	57.0	64.8	1,430,700	1,555,000
Total	372,000	390,000	344,000	361,200	58.2	62.9	20,005,700	22,723,800

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS, AND COUNTIES, MINNESOTA 1979-1980 (CONTINUED)

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage Harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (82)	5,100	4,000	4,500	2,500	42.0	48.6	189,000	121,500
Anoka (84)	1,200	1,900	900	1,600	47.0	54.6	42,300	87,300
Carlton (77)	7,000	8,200	6,000	6,100	46.5	37.1	279,000	226,400
Chisago (59)	6,300	10,000	5,300	7,800	48.0	62.7	254,400	488,700
Crow Wing (67)	8,000	6,600	7,100	6,000	44.0	52.9	312,400	317,600
Hennepin (66)	7,500	7,200	6,600	5,900	56.0	61.3	369,600	361,600
Isanti (70)	4,000	6,300	3,600	5,800	56.0	53.1	201,600	308,100
Kanabec (52)	8,400	10,800	7,500	9,600	50.0	64.6	375,000	620,000
Mille Lacs (48)	12,000	12,400	10,700	10,400	50.0	67.4	535,000	701,100
Pine (41)	16,000	16,000	14,100	14,200	49.0	58.2	690,900	827,100
Ramsey (85)	200	200	200	100	40.0	51.0	8,000	5,100
Washington (57)	7,600	10,300	7,100	9,000	56.0	61.3	397,600	551,500
Total	83,300	93,900	73,600	79,000	49.7	58.4	3,654,800	4,616,000
Southwest Dist. 7								
Cottonwood (58)	11,200	8,200	8,100	7,500	58.0	71.8	469,800	538,600
Jackson (62)	6,500	6,400	4,400	5,900	62.0	70.2	272,800	413,900
Lincoln (21)	29,000	28,500	25,600	23,800	60.0	52.1	1,536,000	1,240,000
Lyon (16)	31,800	25,300	24,700	22,700	58.0	61.5	1,432,600	1,396,000
Murray (17)	27,500	24,600	22,100	21,100	59.0	64.5	1,303,900	1,360,000
Nobles (49)	19,000	13,800	15,900	11,500	58.0	60.5	922,200	696,100
Pipestone (15)	32,000	27,800	26,900	24,300	58.0	61.7	1,560,200	1,500,000
Redwood (38)	15,000	12,800	11,900	11,600	58.0	74.7	690,200	866,400
Rock (31)	20,000	16,900	15,000	13,000	60.0	71.9	900,000	935,000
Total	192,000	164,300	154,600	141,400	58.8	63.3	9,087,700	8,946,000
South Cent. Dist. 8								
Blue Earth (61)	5,400	6,700	4,500	5,800	75.0	73.1	337,500	424,000
Brown (24)	16,300	17,700	13,900	14,800	61.0	75.5	847,900	1,117,000
Faribault (60)	6,600	6,800	5,200	6,200	73.0	73.8	379,600	457,700
Freeborn (43)	13,100	12,900	11,800	11,900	58.0	62.0	684,400	738,300
LeSueur (79)	5,100	5,200	4,500	3,600	71.0	58.3	319,500	210,000
Martin (55)	8,000	9,200	5,900	7,100	58.0	78.9	342,200	560,200
Nicollet (46)	8,400	9,600	7,500	8,600	68.0	83.2	510,000	715,200
Rice (36)	14,000	14,100	12,900	13,000	69.0	67.3	890,100	874,800
Steele (56)	7,500	8,700	6,500	8,200	65.0	67.5	422,500	553,400
Waseca (68)	4,700	4,900	3,800	4,200	61.0	75.0	231,800	314,800
Watonwan (72)	5,400	4,500	4,400	3,900	57.0	74.8	250,800	291,600
Total	94,500	100,300	80,900	87,300	64.5	71.7	5,216,300	6,257,000
Southeast Dist. 9								
Dakota (44)	14,800	13,400	13,700	12,400	65.0	59.2	890,500	733,600
Dodge (32)	9,700	13,100	8,900	12,300	64.0	74.4	569,600	914,900
Fillmore (10)	31,000	32,900	26,000	27,900	54.0	59.7	1,404,000	1,665,000
Goodhue (8)	33,200	33,300	31,500	27,200	65.0	72.3	2,047,500	1,966,000
Houston (39)	15,400	16,700	13,700	12,800	59.0	66.4	808,300	849,500
Mower (11)	22,900	27,900	18,900	23,700	57.0	67.0	1,077,300	1,589,000
Olmsted (13)	24,800	25,100	23,100	23,600	52.0	65.9	1,201,200	1,555,000
Wabasha (9)	27,000	28,300	24,900	25,300	62.0	74.0	1,543,800	1,871,000
Winona (14)	26,500	26,200	24,000	22,900	59.0	67.5	1,416,000	1,546,000
Total	205,300	216,900	184,700	188,100	59.3	67.5	10,958,200	12,690,000
STATE TOTAL	1,650,000	1,650,000	1,490,000	1,450,000	57.0	57.0	84,930,000	82,650,000

BARLEY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1979-1980

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (6)	36,500	45,600	36,200	45,300	52.0	50.5	1,882,400	2,285,800
Clay (2)	70,500	78,100	69,600	75,000	56.0	50.4	3,897,600	3,780,000
Clearwater (23)	7,000	4,300	6,900	3,600	40.0	30.0	276,000	108,000
Kittson (14)	37,000	42,800	36,700	31,500	56.5	28.6	2,073,600	900,900
Mahnomen (11)	32,000	31,100	31,800	30,800	54.5	39.4	1,733,100	1,213,500
Marshall (5)	80,000	99,300	79,200	78,500	53.5	30.5	4,237,200	2,394,300
Norman (4)	66,000	75,700	65,700	75,000	56.0	41.6	3,679,200	3,120,000
Pennington (8)	46,500	54,500	46,200	49,200	46.5	32.4	2,148,300	1,594,100
Polk (1)	151,000	155,700	150,000	144,000	59.5	38.3	8,925,000	5,515,000
Red Lake (15)	24,000	24,200	23,700	19,000	47.0	45.1	1,113,900	856,900
Roseau (13)	21,000	41,200	20,800	25,800	48.0	37.2	998,400	959,800
Total	571,500	652,500	566,800	577,700	54.6	39.3	30,964,700	22,728,300
North Cent. Dist. 2								
Beltrami (24)	4,200	4,800	3,400	3,400	40.0	29.0	136,000	98,600
Cass (68)	300	300	200	200	36.0	32.5	7,200	6,500
Hubbard (27)	2,000	4,000	1,600	3,200	42.0	26.4	67,200	84,500
Itasca (44)	200	600	100	500	38.0	40.8	3,800	20,400
Koochiching (26)	800	1,800	700	1,600	39.0	52.9	27,300	84,600
Lake of the Woods (22)	4,500	4,300	4,200	2,800	49.0	40.5	205,800	113,400
Total	12,000	15,800	10,200	11,700	43.9	34.9	447,300	408,000
Northeast Dist. 3								
Cook	0	0	0	0	0.0	0.0	0	0
Lake	0	0	0	0	0.0	0.0	0	0
St. Louis (31)	2,400	1,800	1,800	1,600	39.0	39.1	70,200	62,600
Total	2,400	1,800	1,800	1,600	39.0	39.1	70,200	62,600
West Cent. Dist.4								
Big Stone (17)	5,500	7,600	5,400	7,500	52.0	46.8	280,800	351,000
Chippewa (25)	1,400	1,900	1,400	1,800	51.0	50.2	71,400	90,300
Douglas (16)	7,500	10,800	7,400	10,000	40.0	48.0	296,000	480,000
Grant (10)	23,000	26,700	22,800	26,400	48.0	53.5	1,094,400	1,413,000
Lac Qui Parle (40)	900	500	900	500	50.0	50.4	45,000	25,200
Otter Tail (7)	38,500	36,800	38,100	36,000	48.0	45.3	1,828,800	1,631,000
Pope (18)	4,100	3,600	4,000	3,600	48.0	54.5	192,000	196,200
Stevens (12)	15,200	17,200	15,100	17,100	51.0	57.9	770,100	990,200
Swift (19)	2,000	3,300	1,900	3,300	49.0	55.5	93,100	183,000
Traverse (9)	25,000	28,600	24,600	28,200	51.0	52.2	1,254,600	1,471,000
Wilkin (3)	51,000	66,900	50,500	65,600	50.0	51.9	2,525,000	3,405,000
Yellow Medicine (41)	300	600	300	500	49.0	49.4	14,700	24,700
Total	174,400	204,500	172,400	200,500	49.1	51.2	8,465,900	10,260,600
Central Dist. 5								
Benton (53)	400	300	400	300	36.0	41.7	14,400	12,500
Carver (42)	400	600	400	500	44.0	43.0	17,600	21,500
Kandiyohi (33)	600	1,200	600	1,100	49.0	42.4	29,400	46,600
McLeod (75)	100	100	100	100	45.0	50.0	4,500	5,000
Meeker (78)	300	100	300	100	47.0	45.0	14,100	4,500
Morrison (54)	600	300	500	300	34.0	41.7	17,000	12,500
Renville (37)	200	500	200	500	47.0	55.2	9,400	27,600
Scott (60)	100	200	100	200	44.0	50.0	4,400	10,000
Sherburne (77)	100	100	100	100	40.0	47.0	4,000	4,700
Sibley (48)	200	300	200	300	43.0	50.7	8,600	15,200
Stearns (20)	2,300	3,200	2,100	3,000	38.0	54.6	79,800	163,800
Todd (32)	800	1,300	700	1,200	41.0	45.0	28,700	54,000
Wadena (36)	700	800	700	800	45.0	41.5	31,500	33,200
Wright (46)	200	500	200	500	44.0	40.0	8,800	20,000
Total	7,000	9,500	6,600	9,000	41.2	47.9	272,200	431,100

BARLEY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1979-1980 (CONTINUED)

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
East Cent. Dist 6								
Aitkin (52)	700	500	500	300	45.0	42.3	22,500	12,700
Anoka (81)	100	100	100	100	40.0	34.0	4,000	3,400
Carlton (59)	500	600	400	300	45.0	33.7	18,000	10,100
Chisago (62)	100	200	100	200	45.0	43.5	4,500	8,700
Crow Wing (63)	200	300	200	200	38.0	36.5	7,600	7,300
Hennepin (79)	100	100	100	100	38.0	36.0	3,800	3,600
Isanti (80)	200	100	200	100	41.0	36.0	8,200	3,600
Kanabec (64)	200	200	200	200	41.0	36.5	8,200	7,300
Mille Lacs (65)	300	200	200	200	38.0	36.0	7,600	7,200
Pine (66)	300	200	200	200	42.0	35.5	8,400	7,100
Ramsey	0	0	0	0	0.0	0.0	0	0
Washington (67)	200	200	200	200	50.0	35.0	10,000	7,000
Total	2,900	2,700	2,400	2,100	42.8	37.1	102,800	78,000
Southwest Dist. 7								
Cottonwood (73)	100	100	100	100	50.0	52.0	5,000	5,200
Jackson	0	0	0	0	0.0	0.0	0	0
Lincoln (28)	2,400	1,900	2,400	1,800	46.0	45.7	110,400	82,300
Lyon (39)	600	600	600	600	45.0	43.7	27,000	26,200
Murray (50)	200	300	200	300	42.0	47.7	8,400	14,300
Nobles (45)	200	400	200	400	44.0	50.5	8,800	20,200
Pipestone (51)	300	300	300	300	40.0	46.3	12,000	13,900
Redwood (61)	200	200	200	200	44.0	48.0	8,800	9,600
Rock (76)	100	100	100	100	49.0	48.0	4,900	4,800
Total	4,100	3,900	4,100	3,800	45.2	46.4	185,300	176,500
South Cent. Dist. 8								
Blue Earth (35)	500	700	500	600	53.0	56.5	26,500	33,900
Brown (38)	300	500	300	500	43.0	55.0	12,900	27,500
Faribault	0	0	0	0	0.0	0.0	0	0
Freeborn (69)	0	100	0	100	0.0	56.0	0	5,600
LeSueur (57)	200	300	200	200	52.0	55.0	10,400	11,000
Martin	100	0	100	0	50.0	0.0	5,000	0
Nicollet (71)	0	100	0	100	0.0	55.0	0	5,500
Rice (34)	700	800	700	700	50.0	56.1	35,000	39,300
Steele (72)	100	100	100	100	52.0	54.0	5,200	5,400
Waseca (74)	100	100	100	100	52.0	52.0	5,200	5,200
Watonwan (47)	100	300	100	300	50.0	54.3	5,000	16,300
Total	2,100	3,000	2,100	2,700	50.1	55.4	105,200	149,700
Southeast Dist. 9								
Dakota (49)	500	300	500	300	56.0	48.7	28,000	14,600
Dodge (56)	100	200	100	200	50.0	55.5	5,000	11,100
Fillmore (55)	200	400	200	200	52.0	60.0	10,400	12,000
Goodhue (21)	1,400	2,500	1,400	2,300	56.0	59.5	78,400	136,900
Houston (58)	200	200	200	200	57.0	53.0	11,400	10,600
Mower (70)	100	100	100	100	49.0	56.0	4,900	5,600
Olmsted (43)	100	400	100	400	48.0	51.5	4,800	20,600
Wabasha (29)	500	1,100	500	1,100	52.0	60.5	26,000	66,600
Winona (30)	500	1,100	500	1,100	55.0	59.3	27,500	65,200
Total	3,600	6,300	3,600	5,900	54.6	58.2	196,400	343,200
STATE TOTAL	780,000	900,000	770,000	815,000	53.0	42.5	40,810,000	34,638,000

ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1979-80

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Acres		Acres	
Northwest Dist. 1								
Becker (7)	53,000	38,000	51,000	37,800	1,390.0	1,304.0	70,872,000	49,291,000
Clay (2)	128,000	92,000	123,000	91,700	1,389.0	1,288.0	170,902,000	118,110,000
Clearwater (26)	6,000	5,300	5,500	4,900	1,370.0	947.0	7,533,000	4,640,000
Kittson (12)	52,000	38,900	49,000	29,000	1,415.0	1,065.0	69,314,000	30,885,000
Mahnomen (17)	28,000	14,900	27,000	14,700	1,420.0	1,064.0	38,335,000	15,641,000
Marshall (6)	123,000	70,600	116,500	63,300	1,339.0	914.0	155,995,000	57,856,000
Norman (3)	135,000	93,200	129,000	91,800	1,439.0	1,268.0	185,673,000	116,402,000
Pennington (9)	51,000	39,100	48,000	38,900	1,338.0	1,145.0	64,233,000	44,541,000
Polk (1)	165,000	112,100	159,500	111,000	1,389.0	1,155.0	221,475,000	128,232,000
Red Lake (8)	48,000	36,000	46,500	35,100	1,270.0	1,381.0	59,055,000	48,473,000
Roseau (11)	51,000	40,300	49,000	39,100	1,490.0	940.0	73,010,000	36,754,000
Total	840,000	580,400	804,000	557,300	1,389.0	1,168.0	1,116,397,000	650,825,000
North Cent. Dist. 2								
Beltrami (37)	4,700	1,600	4,600	1,500	1,348.0	1,200.0	6,200,000	1,800,000
Hubbard (66)	1,500	300	1,500	300	1,400.0	1,250.0	2,100,000	375,000
Koochiching (31)	3,500	2,000	3,400	1,800	1,400.0	1,450.0	4,760,000	2,610,000
Lake of the Woods(38)	3,000	1,300	2,700	1,200	1,470.0	1,350.0	3,970,000	1,620,000
Other Counties	1,400	700	1,400	600	1,293.0	1,240.0	1,810,000	744,000
Total	14,100	5,900	13,600	5,400	1,385.0	1,324.0	18,840,000	7,149,000
Northeast Dist. 3								
Total	100	100	100	100	1,300.0	1,200.0	130,000	120,000
West Cent. Dist. 4								
Big Stone (13)	43,000	22,200	40,000	21,900	1,250.0	1,300.0	50,000,000	28,470,000
Chippewa (43)	7,000	1,000	6,800	900	1,700.0	1,350.0	11,560,000	1,215,000
Douglas (22)	6,000	6,000	5,800	5,900	1,341.0	1,200.0	7,780,000	7,080,000
Grant (15)	46,000	24,900	45,000	24,200	1,360.0	1,150.0	61,188,000	27,830,000
Lac Qui Parle (28)	6,500	2,800	6,300	2,700	1,350.0	1,250.0	8,505,000	3,375,000
Otter Tail (14)	36,000	22,400	35,000	22,100	1,369.0	1,275.0	47,910,000	28,178,000
Pope (18)	12,500	9,200	12,100	9,100	1,500.0	1,230.0	18,150,000	11,193,000
Stevens (10)	43,500	31,100	42,500	30,800	1,550.0	1,225.0	65,875,000	37,730,000
Swift (16)	32,000	16,500	30,000	16,400	1,600.0	1,300.0	48,000,000	21,320,000
Traverse (5)	88,000	51,900	86,300	51,600	1,330.0	1,325.0	114,764,000	68,370,000
Wilkin (4)	136,000	82,600	132,500	79,400	1,360.0	950.0	180,171,000	75,430,000
Yellow Medicine (24)	8,000	5,200	7,700	4,800	1,300.0	1,250.0	10,010,000	6,000,000
Total	464,500	275,800	450,000	269,800	1,386.0	1,172.0	623,913,000	316,191,000
Central Dist. 5								
Benton (56)	1,000	500	1,000	500	1,300.0	1,250.0	1,300,000	625,000
Kandiyohi (32)	2,000	2,000	2,000	2,000	1,600.0	1,300.0	3,200,000	2,600,000
Renville (20)	10,000	5,400	9,400	5,200	1,450.0	1,500.0	13,630,000	7,800,000
Sherburne (39)	1,500	1,000	1,500	1,000	1,287.0	1,500.0	1,930,000	1,500,000
Sibley (54)	800	500	800	500	1,700.0	1,400.0	1,360,000	700,000
Stearns (23)	3,000	4,000	2,900	3,900	1,500.0	1,550.0	4,350,000	6,045,000
Todd (27)	2,000	3,000	2,000	3,000	1,300.0	1,500.0	2,600,000	4,500,000
Wadena (52)	1,000	600	1,000	600	1,300.0	1,450.0	1,300,000	870,000
Other Counties	2,900	2,300	2,900	2,200	1,524.0	1,398.0	4,420,000	3,075,000
Total	24,200	19,300	23,500	18,900	1,451.0	1,466.0	34,090,000	27,715,000

ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1979-90 (CONTINUED)

District, County and County Rank in 1980 Production()	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Acres		Acres	
East Cent. Dist. 6								
Chisago (44)	1,500	1,000	1,500	1,000	1,000.0	1,200.0	1,500,000	1,200,000
Crow Wing (41)	1,500	1,100	1,400	1,100	1,200.0	1,300.0	1,680,000	1,430,000
Isanti (29)	3,000	2,600	2,900	2,600	1,198.0	1,175.0	3,475,000	3,055,000
Washington (51)	1,500	700	1,400	700	1,400.0	1,250.0	1,960,000	875,000
Other Counties	3,000	1,500	3,000	1,500	1,103.0	1,187.0	3,310,000	1,780,000
Total	10,500	6,900	10,200	6,900	1,169.0	1,209.0	11,925,000	8,340,000
Southwest Dist. 7								
Jackson (45)	2,200	900	2,100	900	1,200.0	1,300.0	2,520,000	1,170,000
Lincoln (21)	9,500	6,900	9,300	6,900	1,100.0	1,100.0	10,230,000	7,590,000
Lyon (33)	2,500	1,600	2,400	1,600	1,200.0	1,400.0	2,880,000	2,240,000
Murray (42)	1,500	1,000	1,400	1,000	1,100.0	1,400.0	1,540,000	1,400,000
Nobles (49)	1,500	600	1,500	600	1,400.0	1,500.0	2,100,000	900,000
Pipestone (50)	1,500	600	1,500	600	1,400.0	1,500.0	2,100,000	900,000
Redwood (47)	1,000	700	900	700	1,400.0	1,443.0	1,260,000	1,010,000
Other Counties	400	400	400	400	1,400.0	1,400.0	560,000	560,000
Total	20,100	12,700	19,500	12,700	1,189.0	1,242.0	23,190,000	15,770,000
South Cent. Dist. 8								
Blue Earth (35)	2,000	1,300	2,000	1,300	1,850.0	1,500.0	3,700,000	1,950,000
Lesueur (19)	9,000	5,700	8,800	5,700	1,500.0	1,450.0	13,200,000	8,265,000
Steele (40)	1,500	1,000	1,500	1,000	1,700.0	1,450.0	2,550,000	1,450,000
Other Counties	2,200	1,600	2,200	1,600	1,545.0	1,428.0	3,400,000	2,285,000
Total	14,700	9,600	14,500	9,600	1,576.0	1,453.0	22,850,000	13,950,000
Southeast Dist. 9								
Dakota (30)	3,000	2,000	2,900	2,000	1,750.0	1,450.0	5,075,000	2,900,000
Dodge (34)	2,000	1,400	2,000	1,400	1,600.0	1,400.0	3,200,000	1,960,000
Goodhue (25)	4,000	3,800	3,900	3,800	1,700.0	1,500.0	6,630,000	5,700,000
Mower (36)	2,000	1,300	2,000	1,300	1,600.0	1,450.0	3,200,000	1,885,000
Other Counties	800	800	800	800	1,475.0	1,369.0	1,180,000	1,095,000
Total	11,800	9,300	11,600	9,300	1,663.0	1,456.0	19,285,000	13,540,000
STATE TOTAL	1,400,000	920,000	1,347,000	890,000	1,389.0	1,184.0	1,870,620,000	1,053,600,000

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1979-1980

District, County and County Rank in 1980 Production ()	Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980
	Acres		Tons		Tons	
Northwest Dist. 1						
Becker (20)	69,600	76,700	2.4	1.3	165,600	99,700
Clay (54)	25,700	22,600	2.8	2.1	72,200	48,100
Clearwater (60)	43,800	47,400	2.1	0.8	92,500	39,400
Kittson (84)	27,300	15,800	1.9	0.7	52,200	11,700
Mahnomen (65)	21,800	24,300	2.7	1.5	58,100	35,500
Marshall (72)	39,300	35,800	2.1	0.9	82,000	30,700
Norman (69)	22,300	19,500	2.8	1.7	62,600	32,200
Pennington (66)	30,700	29,900	2.3	1.2	71,300	34,900
Polk (51)	49,900	39,600	2.4	1.3	119,800	51,400
Red Lake (83)	16,700	18,600	2.3	1.0	38,800	19,400
Roseau (49)	67,900	67,700	2.1	0.8	143,600	52,800
Total	415,000	397,900	2.3	1.1	958,700	455,800
North Cent. Dist. 2						
Beltrami (29)	52,400	57,500	2.2	1.3	115,100	72,800
Cass (48)	51,600	52,600	1.8	1.0	93,400	53,200
Hubbard (73)	26,200	34,100	2.1	0.9	54,100	30,700
Itasca (63)	39,100	40,000	1.9	1.0	74,900	38,400
Koochiching (77)	22,900	29,100	1.7	1.0	40,000	28,200
Lake of the Woods (76)	22,200	21,600	1.9	1.4	42,500	29,400
Total	214,400	234,900	2.0	1.1	420,000	252,700
Northeast Dist. 3						
Cook (87)	700	600	1.6	0.8	1,100	500
Lake (86)	2,500	2,600	1.6	1.0	4,100	2,700
St. Louis (33)	61,600	62,900	1.8	1.1	112,100	68,700
Total	64,800	66,100	1.8	1.1	117,300	71,900
West Cent. Dist. 4						
Big Stone (75)	11,300	12,500	3.2	2.4	36,200	29,600
Chippewa (79)	9,600	9,200	3.4	2.6	32,700	24,300
Douglas (14)	47,900	44,000	2.9	3.0	139,500	133,000
Grant (67)	13,100	11,300	3.3	3.0	43,800	33,900
Lac Qui Parle (53)	19,800	15,400	3.7	3.2	74,100	49,200
Otter Tail (2)	166,000	181,600	3.0	2.2	504,000	404,700
Pope (17)	35,000	35,000	3.4	3.3	118,700	116,000
Stevens (70)	14,800	12,100	2.9	2.6	43,100	31,500
Swift (55)	15,200	14,100	3.4	3.3	51,400	45,900
Traverse (82)	10,700	9,800	2.8	2.2	30,100	21,800
Wilkin (78)	15,900	14,400	2.3	1.8	37,100	26,200
Yellow Medicine (50)	18,700	16,700	3.9	3.1	73,800	51,800
Total	378,000	376,100	3.1	2.6	1,184,500	967,900
Central Dist. 5						
Benton (13)	40,000	46,400	2.9	3.1	116,800	144,200
Carver (15)	37,900	33,100	3.8	3.8	143,900	125,800
Kandiyohi (21)	33,700	34,900	3.7	2.7	124,000	93,600
McLeod (22)	28,100	27,500	4.5	3.4	126,000	92,300
Meeker (25)	26,300	26,500	3.8	3.1	101,200	82,400
Morrison (5)	87,100	90,800	2.4	2.5	211,800	228,700
Renville (64)	12,400	11,000	3.7	3.2	45,700	35,700
Scott (45)	22,300	21,200	3.7	2.7	82,800	56,400
Sherburne (52)	20,100	18,900	2.5	2.7	50,200	51,400
Sibley (37)	21,700	20,600	4.2	3.1	90,300	64,800
Stearns (1)	147,000	147,100	3.3	3.2	491,100	470,300
Todd (4)	97,300	103,500	2.7	2.2	263,500	232,000
Wadena (16)	43,300	56,900	2.4	2.1	104,300	118,700
Wright (11)	50,900	50,300	3.5	3.4	175,700	171,800
Total	668,100	688,700	3.2	2.9	2,127,300	1,968,100

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1979-80(CONTINUED)

District, County and County Rank in 1980 Production ()	Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (23)	58,400	63,800	1.8	1.4	102,900	90,900
Anoka (74)	17,700	15,400	2.2	2.0	39,500	30,200
Carlton (39)	40,400	44,600	2.1	1.4	83,100	63,500
Chisago (32)	27,000	28,200	3.1	2.4	83,400	69,000
Crow Wing (58)	30,700	28,200	2.3	1.5	71,500	41,300
Hennepin (38)	24,700	23,900	2.8	2.7	70,000	64,000
Isanti (36)	20,100	21,000	2.7	3.1	54,700	65,300
Kanabec (35)	38,400	35,500	2.7	1.9	103,400	67,500
Mille Lacs (19)	39,700	38,600	2.8	2.6	110,400	101,700
Pine (12)	77,700	81,700	2.1	1.8	166,000	150,800
Ramsey (85)	1,700	1,600	2.1	1.8	3,500	2,900
Washington (43)	22,300	22,700	2.9	2.7	64,000	61,900
Total	398,800	405,200	2.4	2.0	952,400	809,000
Southwest Dist. 7						
Cottonwood (61)	11,700	11,000	4.3	3.6	50,100	39,400
Jackson (62)	12,900	10,700	4.3	3.6	56,100	38,900
Lincoln (24)	29,000	28,100	4.2	3.0	122,500	83,500
Lyon (42)	24,500	22,300	4.3	2.8	106,400	62,100
Murray (26)	24,300	21,900	4.0	3.7	97,900	81,800
Nobles (44)	21,300	17,300	4.6	3.5	98,800	61,200
Pipestone (27)	25,900	24,000	4.1	3.3	107,300	79,400
Redwood (57)	13,900	12,700	4.5	3.4	62,300	43,000
Rock (40)	19,200	19,900	4.1	3.2	78,500	63,400
Total	182,700	167,900	4.3	3.3	779,900	552,700
South Cent. Dist. 8						
Blue Earth (81)	8,200	7,200	4.5	3.2	36,600	23,100
Brown (31)	19,100	19,200	4.2	3.8	80,100	72,300
Faribault (71)	8,400	8,500	3.9	3.7	32,500	31,500
Freeborn (46)	16,800	14,800	3.9	3.7	64,700	55,300
LeSueur (41)	26,800	21,300	3.4	3.0	90,400	63,100
Martin (56)	14,000	12,300	4.3	3.6	60,400	44,300
Nicollet (59)	11,400	11,300	3.3	3.5	37,700	39,700
Rice (18)	34,300	33,200	3.4	3.2	118,200	106,000
Steele (47)	16,600	15,100	3.5	3.6	57,500	53,800
Waseca (68)	9,700	10,300	3.9	3.2	37,500	32,700
Watonwan (80)	7,900	6,300	4.1	3.8	32,300	23,900
Total	173,200	159,500	3.7	3.4	647,900	545,700
Southeast Dist. 9						
Dakota (34)	24,000	24,000	3.7	2.8	88,200	68,300
Dodge (30)	23,100	21,600	4.1	3.4	95,500	72,500
Fillmore (3)	82,100	78,800	3.5	3.4	290,500	265,500
Goodhue (8)	70,600	65,500	3.7	3.2	259,500	211,600
Houston (9)	58,700	60,800	3.9	3.0	230,800	179,800
Mower (28)	22,100	22,600	3.8	3.4	84,500	76,000
Olmsted (10)	52,800	52,000	4.0	3.4	210,900	176,000
Wabasha (7)	53,100	58,500	3.9	3.7	209,300	214,400
Winona (6)	68,500	69,900	3.7	3.2	252,800	227,100
Total	455,000	453,700	3.8	3.3	1,722,000	1,491,200
STATE TOTAL	2,950,000	2,950,000	3.0	2.4	8,910,000	7,115,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1979 - 1980

District, County and County Rank in 1980 Production ( )		Acreage harvested		Yield per harvested acre		Production	
		1979	1980	1979	1980	1979	1980
		Acres		Tons		Tons	
Northwest Dist. 1							
Becker	(29)	51,000	47,400	2.7	1.3	137,700	61,600
Clay	(53)	21,000	16,000	3.1	2.1	65,100	33,600
Clearwater	(62)	28,000	31,100	2.4	0.9	67,200	28,000
Kittson	(84)	17,500	10,100	2.2	0.7	38,500	7,100
Mahnomen	(55)	18,500	21,900	2.8	1.5	51,800	32,900
Marshall	(69)	30,000	28,000	2.3	0.9	69,000	25,200
Norman	(59)	19,000	17,100	3.0	1.7	57,000	29,100
Pennington	(60)	26,000	21,900	2.4	1.3	62,400	28,500
Polk	(45)	35,000	28,100	2.7	1.5	94,500	42,200
Red Lake	(80)	13,000	12,600	2.5	1.3	32,500	16,400
Roseau	(61)	47,000	40,700	2.3	0.7	108,100	28,500
Total		306,000	274,900	2.6	1.2	783,800	333,100
North Cent. Dist. 2							
Beltrami	(42)	31,000	37,500	2.4	1.3	74,400	48,800
Cass	(67)	19,000	18,500	2.0	1.4	38,000	25,900
Hubbard	(81)	16,000	17,200	2.3	0.9	36,800	15,500
Itasca	(82)	14,000	16,100	2.3	0.9	32,200	14,500
Koochiching	(83)	8,000	9,600	2.2	1.1	17,600	10,600
Lake of the Woods	(71)	12,000	15,500	2.1	1.5	25,200	23,300
Total		100,000	114,400	2.2	1.2	224,200	138,600
Northeast Dist. 3							
Cook	(87)	-	100	-	2.0	-	200
Lake	(86)	200	300	2.0	2.0	400	600
St. Louis	(68)	10,500	15,200	2.4	1.7	25,200	25,800
Total		10,700	15,600	2.4	1.7	25,600	26,600
West Cent. Dist. 4							
Big Stone	(72)	8,000	8,000	3.7	2.8	29,600	22,400
Chippewa	(75)	7,500	7,200	3.8	2.9	28,500	20,900
Douglas	(12)	39,500	36,200	3.0	3.2	118,500	115,800
Grant	(64)	11,000	9,100	3.6	3.0	39,600	27,300
Lac Qui Parle	(48)	15,500	10,500	4.2	3.8	65,100	39,900
Otter Tail	(2)	132,000	138,400	3.2	2.3	422,400	318,300
Pope	(14)	29,000	29,100	3.7	3.6	107,300	104,800
Stevens	(65)	11,500	8,500	3.2	3.2	36,800	27,200
Swift	(46)	12,000	10,600	3.7	3.9	44,400	41,300
Traverse	(79)	7,000	6,800	3.4	2.5	23,800	17,000
Wilkin	(78)	9,000	8,300	2.9	2.2	26,100	18,300
Yellow Medicine	(49)	15,000	11,100	4.4	3.5	66,000	38,900
Total		297,000	283,800	3.4	2.8	1,008,100	792,100
Central Dist. 5							
Benton	(15)	26,000	29,500	3.2	3.4	83,200	100,300
Carver	(13)	32,000	27,600	4.0	3.9	128,000	107,600
Kandiyohi	(17)	30,000	31,400	3.8	2.7	114,000	84,800
McLeod	(18)	23,000	21,200	4.9	3.7	112,700	78,400
Meeker	(26)	23,000	21,700	4.1	3.0	94,300	65,100
Morrison	(8)	50,000	56,200	2.9	2.9	145,000	163,000
Renville	(58)	11,000	9,000	3.9	3.3	42,900	29,700
Scott	(41)	19,500	19,000	3.9	2.6	76,100	49,400
Sherburne	(44)	15,000	14,500	2.6	3.0	39,000	43,500
Sibley	(34)	18,000	16,200	4.5	3.4	81,000	55,100
Stearns	(1)	121,000	121,900	3.5	3.3	423,500	402,300
Todd	(7)	74,000	76,700	2.9	2.5	214,600	191,800
Wadena	(27)	27,500	32,300	2.7	2.0	74,300	64,600
Wright	(11)	43,000	43,200	3.7	3.6	159,100	155,500
Total		513,000	520,400	3.5	3.1	1,787,700	1,591,100

ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1979 - 1980 (CONTINUED)

District, County and County Rank in 1980 Production ()	Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (70)	12,000	15,700	2.0	1.5	24,000	23,600
Anoka (77)	14,000	10,500	2.4	1.8	33,600	18,900
Carlton (73)	13,000	16,800	2.6	1.3	33,800	21,800
Chisago (32)	20,000	19,700	3.4	2.9	68,000	57,100
Crow Wing (66)	14,000	17,900	2.6	1.5	36,400	26,900
Hennepin (40)	21,000	18,400	3.0	2.7	63,000	49,700
Isanti (43)	15,000	14,700	3.0	3.2	45,000	47,000
Kanabec (50)	17,500	17,900	3.4	2.1	59,500	37,600
Mille Lacs (20)	22,500	23,600	3.3	3.1	74,300	73,200
Pine (23)	29,000	36,500	2.7	1.9	78,300	69,400
Ramsey (85)	1,000	900	2.3	1.7	2,300	1,500
Washington (35)	19,000	19,400	2.9	2.8	55,100	54,300
Total	198,000	212,000	2.9	2.3	573,300	481,000
Southwest Dist. 7						
Cottonwood (52)	10,000	9,400	4.7	3.8	47,000	35,700
Jackson (57)	11,000	8,100	4.7	3.8	51,700	30,800
Lincoln (22)	26,000	23,900	4.4	3.0	114,400	71,700
Lyon (33)	21,500	18,400	4.6	3.1	98,900	57,000
Murray (19)	21,500	20,100	4.2	3.8	90,300	76,400
Nobles (30)	18,500	14,800	4.9	3.9	90,700	57,700
Pipestone (21)	22,000	21,200	4.4	3.4	96,800	72,100
Redwood (47)	12,500	10,900	4.7	3.7	58,800	40,300
Rock (38)	14,500	13,500	4.6	3.7	66,700	50,000
Total	157,500	140,300	4.5	3.5	715,300	491,700
South Cent. Dist. 8						
Blue Earth (76)	7,000	5,700	4.9	3.6	34,300	20,500
Brown (28)	18,000	17,000	4.3	3.8	77,400	64,600
Faribault (63)	7,000	6,400	4.2	4.3	29,400	27,500
Freeborn (39)	14,500	12,800	4.0	3.9	58,000	49,900
LeSueur (31)	24,500	18,600	3.5	3.1	85,800	57,700
Martin (51)	12,000	9,600	4.7	3.8	56,400	36,500
Nicollet (54)	10,000	9,300	3.5	3.6	35,000	33,500
Rice (16)	31,000	28,000	3.6	3.1	111,600	86,800
Steele (36)	15,000	13,900	3.6	3.7	54,000	51,400
Waseca (56)	8,800	9,100	4.0	3.4	35,200	30,900
Watonwan (74)	6,500	5,100	4.6	4.2	29,900	21,400
Total	154,300	135,500	3.9	3.5	607,000	480,700
Southeast Dist. 9						
Dakota (37)	19,000	17,400	3.8	2.9	72,200	50,500
Dodge (25)	20,500	19,200	4.3	3.4	88,200	65,300
Fillmore (3)	76,500	72,000	3.6	3.3	275,400	237,600
Goodhue (6)	65,000	60,500	3.7	3.2	240,500	193,600
Houston (10)	54,000	53,700	3.9	2.9	210,600	155,700
Mower (24)	20,000	19,800	3.9	3.4	78,000	67,300
Olmsted (9)	46,500	44,500	4.1	3.6	190,700	160,200
Wabasha (4)	50,000	55,100	4.0	3.7	200,000	203,900
Winona (5)	62,000	60,900	3.7	3.3	229,400	201,000
Total	413,500	403,100	3.8	3.3	1,585,000	1,335,100
STATE TOTAL	2,150,000	2,100,000	3.4	2.7	7,310,000	5,670,000

POTATOES: MINNESOTA ACREAGE, YIELD AND PRODUCTION, BY PRINCIPAL COUNTIES

District and county	Acreage planted		Acreage harvested		Yield per harv acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Cwt.		Cwt.	
Northwest Dist.								
Clay	8,600	8,800	8,400	8,700	170	155	1,428,000	1,348,500
Kittson	4,800	4,200	4,700	4,100	155	110	728,500	451,000
Marshall	11,600	10,800	10,900	10,600	165	120	1,798,500	1,272,000
Norman	1,600	1,600	1,600	1,600	140	125	224,000	200,000
Polk	23,400	22,200	22,700	22,100	170	105	3,859,000	2,320,500
Other Counties	3,600	1,900	3,600	1,900	228	250	822,500	475,000
Total	53,600	49,500	51,900	49,000	171	124	8,860,500	6,067,000
Other Districts								
Lake of the Woods	600	600	600	600	190	150	114,000	90,000
Wilkin	400	500	400	500	165	180	66,000	90,000
Sherburne	4,000	3,500	3,900	3,400	305	305	1,189,500	1,037,000
Anoka	500	500	500	500	265	250	132,500	125,000
Hennepin	700	800	700	800	270	270	189,000	216,000
Freeborn	4,000	4,200	3,900	3,800	240	220	936,000	836,000
Other Counties	12,600	10,900	12,400	10,800	260	280	3,228,500	3,025,000
Total	22,800	21,000	22,400	20,400	261	266	5,855,500	5,419,000
STATE TOTAL	76,400	70,500	74,300	69,400	198	166	14,716,000	11,486,000

Photo Courtesy THE LAND Magazine, Mankato, Minn.

SUGARBEETS: ACREAGE, YIELD AND PRODUCTION, MINNESOTA

District and County	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Tons		Tons	
Northwest Dist. 1								
Clay	42,200	44,000	41,900	43,700	15.5	16.0	648,600	699,200
Kittson	10,400	11,400	10,400	11,000	14.7	14.6	153,100	160,600
Marshall	17,800	18,800	17,700	16,800	14.7	12.0	260,500	201,600
Norman	19,700	21,200	19,700	20,900	16.6	15.3	326,900	319,800
Polk	72,700	71,900	72,300	59,800	16.3	13.5	1,179,400	807,300
West Cent. Dist. 4								
Chippewa	18,200	19,600	16,900	19,400	16.1	16.1	271,400	312,300
Grant	5,400	5,200	5,300	5,100	13.4	15.8	71,100	80,600
Lac Qui Parle	500	1,200	400	1,200	14.3	13.4	5,700	16,100
Swift	3,700	3,200	3,500	3,200	16.5	14.1	57,800	45,100
Traverse	4,700	5,100	4,600	5,000	14.7	11.8	67,700	59,000
Wilkin	22,800	23,000	22,600	22,800	14.6	13.5	329,300	307,800
Yellow Medicine	400	1,100	400	1,000	20.0	15.0	8,000	15,000
Selected Counties								
Kandiyohi	2,300	3,900	2,200	3,900	15.7	17.7	34,600	69,000
Renville	22,400	22,200	21,400	21,100	14.3	19.3	305,000	407,200
Redwood	1,800	2,700	800	2,600	12.4	14.0	9,900	36,400
Faribault	1,800	1,900	1,800	1,900	11.4	16.0	20,500	30,400
All Other Counties	2,200	3,600	2,100	3,600	15.5	14.9	32,500	53,600
STATE TOTAL	249,000	260,000	244,000	243,000	15.5	14.9	3,782,000	3,621,000

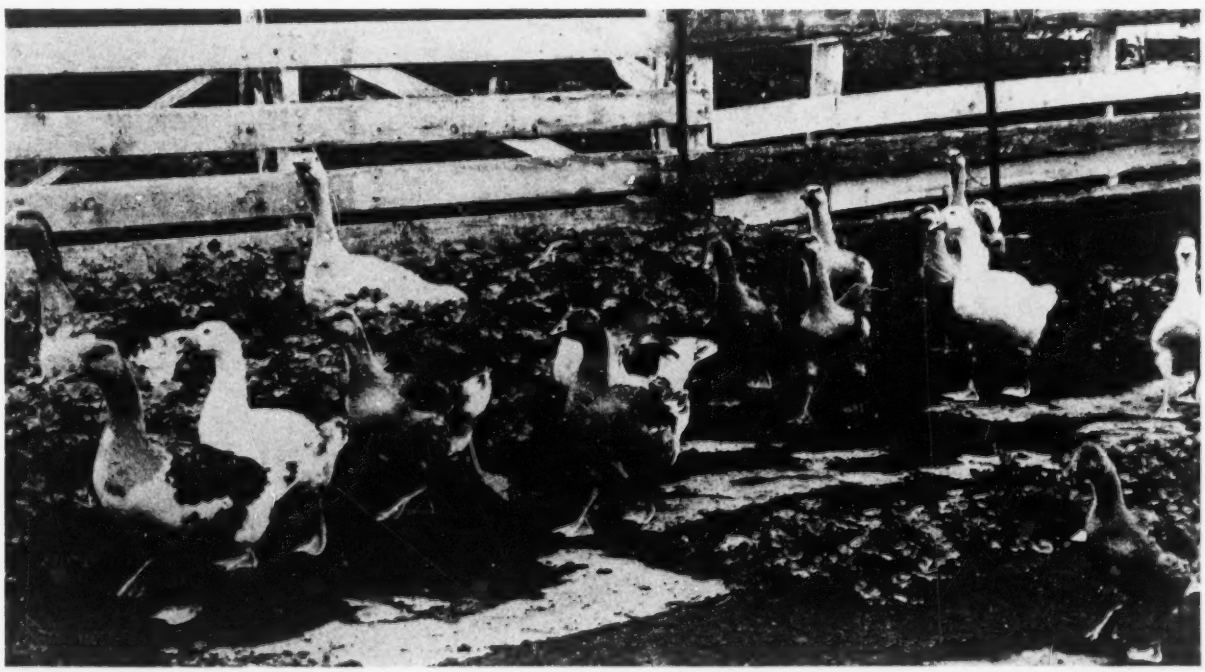


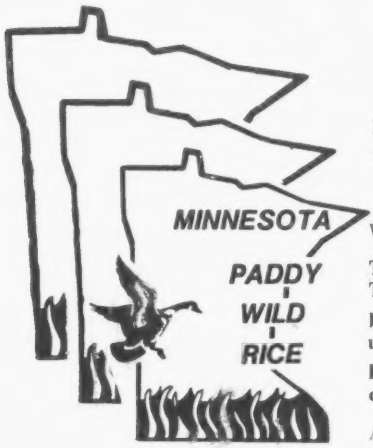
Photo Courtesy THE LAND Magazine, Mankato, Minn.

FLAX: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1979-1980

District, County and County Rank in 1980 Production ()	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (9)	3,000	4,200	2,900	4,100	14.5	10.9	42,100	44,600
Clay (11)	3,000	3,100	2,900	2,900	15.0	11.0	43,500	31,900
Clearwater (27)	2,200	1,000	2,100	800	13.5	9.5	28,400	7,600
Kittson (28)	5,000	1,000	4,800	700	14.0	9.9	67,200	6,900
Mahnomen (21)	600	1,200	600	1,000	15.0	9.9	9,000	9,900
Marshall (5)	12,000	10,700	11,000	9,000	13.5	8.5	148,500	76,500
Norman (26)	1,000	800	1,000	800	14.5	10.0	14,500	8,000
Pennington (17)	6,800	3,200	6,000	2,300	13.0	8.0	78,000	18,400
Polk (6)	8,000	8,600	7,100	8,000	14.0	8.0	99,400	64,100
Red Lake (23)	1,300	900	1,200	900	13.5	9.4	16,200	8,500
Roseau (1)	48,500	44,300	46,700	33,500	12.5	11.4	583,800	382,900
Total	91,400	79,000	86,300	64,000	13.1	10.3	1,130,600	659,300
North Cent. Dist. 2								
Total	8,200	7,900	8,100	7,900	16.5	14.9	134,000	117,500
West Cent. Dist. 4								
Big Stone (7)	6,000	4,300	5,800	4,300	17.5	12.4	101,500	53,300
Douglas (12)	4,000	2,800	3,900	2,800	15.0	11.2	58,500	31,300
Grant (15)	3,100	2,200	3,000	2,200	15.0	10.0	45,000	22,100
Lac Qui Parle (16)	2,100	1,500	2,000	1,500	18.5	13.5	37,000	20,300
Otter Tail (13)	4,000	2,800	3,800	2,800	17.0	10.7	64,600	30,000
Traverse (8)	5,800	4,100	5,600	4,100	17.0	12.5	95,200	51,300
Wilkin (18)	2,000	1,400	1,900	1,400	16.5	13.0	31,400	18,200
Yellow Medicine (19)	1,600	1,100	1,600	1,100	18.0	15.0	28,800	16,500
Other Counties	2,300	2,000	2,300	2,000	16.7	12.4	38,500	24,700
Total	30,900	22,200	29,900	22,200	16.7	12.0	500,500	267,700
Southwest Dist. 7								
Lincoln (2)	14,500	14,100	14,100	14,100	17.0	16.5	239,700	232,700
Lyon (14)	800	1,500	800	1,500	15.0	18.1	12,000	27,100
Murray (10)	1,000	2,400	1,000	2,400	12.0	17.5	12,000	42,000
Pipestone (3)	11,500	10,700	11,100	10,700	15.0	17.6	166,500	188,300
Other Counties	100	100	100	100	15.0	16.0	1,500	1,600
Total	27,900	28,800	27,100	28,800	15.9	17.1	431,700	491,700
All Other Counties	1,600	2,100	1,600	2,100	13.9	12.8	22,200	26,800
STATE TOTAL	160,000	140,000	153,000	125,000	14.5	12.5	2,219,000	1,563,000

RYE: MINNESOTA ACREAGE, YIELD AND PRODUCTION, BY PRINCIPAL COUNTIES

District, County and County Rank in 1980 Production ( )	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1979	1980	1979	1980	1979	1980	1979	1980
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Clay (17)	2,000	1,600	1,900	1,500	30.0	25.0	57,000	37,500
Kittson (24)	2,600	1,800	2,500	1,400	31.0	18.5	77,500	25,900
Mahnomen (13)	1,800	1,500	1,700	1,400	31.0	28.0	52,700	39,200
Marshall (20)	3,200	2,700	3,100	1,900	30.0	18.0	93,000	34,200
Norman (19)	1,900	1,600	1,800	1,500	29.0	23.5	52,200	35,300
Pennington (35)	1,300	1,100	1,200	900	27.0	15.0	32,400	13,500
Polk (4)	5,000	4,300	4,900	3,800	32.0	20.0	156,800	76,000
Red Lake (26)	1,000	900	1,000	800	28.0	27.0	28,000	21,600
Roseau (31)	1,500	1,300	1,400	900	30.0	21.0	42,000	18,900
Other Counties	2,000	1,800	1,900	1,600	26.5	26.6	50,300	42,600
Total	22,300	18,600	21,400	15,700	30.0	21.9	641,900	344,700
North Cent. Dist. 2								
Total	2,200	1,900	1,400	1,500	25.9	21.3	36,200	31,900
Northeast Dist. 3								
Total	200	200	100	100	26.0	24.0	2,600	2,400
West Cent. Dist. 4								
Big Stone (8)	3,500	2,000	3,300	1,900	26.0	31.2	85,800	59,300
Douglas (10)	1,500	1,800	1,400	1,700	22.0	29.5	30,800	50,200
Otter Tail (5)	4,000	3,400	3,700	3,200	23.0	22.0	85,100	70,500
Pope (27)	1,000	900	900	800	23.0	27.0	20,700	21,600
Stevens (25)	1,000	900	900	800	26.0	27.1	23,400	21,700
Swift (15)	1,500	1,500	1,400	1,300	24.0	30.0	33,600	39,000
Traverse (11)	2,000	1,700	1,800	1,600	27.0	29.0	48,600	46,400
Other Counties	2,900	2,400	2,400	2,400	25.6	26.9	61,500	64,600
Total	17,400	14,600	15,800	13,700	24.7	27.2	389,500	373,300
Central Dist. 5								
Benton (9)	2,800	2,400	2,600	2,100	23.0	25.0	59,800	52,500
Kandiyohi (22)	1,400	1,000	1,200	1,000	25.0	31.0	30,000	31,000
Meeker (18)	1,500	1,300	1,400	1,200	25.0	30.0	35,000	36,000
Morrison (14)	3,500	1,800	3,200	1,700	20.0	23.0	64,000	39,100
Sherburne (1)	14,000	11,900	13,700	10,500	22.0	22.5	301,400	236,600
Stearns (3)	4,300	3,700	4,100	3,500	19.0	28.5	77,900	99,800
Wright (16)	3,000	1,800	2,500	1,500	23.0	25.5	57,500	38,300
Other Counties	5,000	4,300	4,300	4,000	24.1	26.9	103,600	107,700
Total	35,500	28,200	33,000	25,500	22.1	25.1	729,200	641,000
East Cent. Dist. 6								
Anoka (7)	3,000	2,800	2,300	2,600	23.0	25.0	52,900	64,900
Chisago (6)	4,000	3,300	3,400	2,800	25.0	24.6	85,000	68,900
Isanti (2)	4,800	4,700	4,500	4,200	27.0	24.9	121,500	104,400
Other Counties	3,200	2,700	2,300	2,500	24.3	23.7	55,800	59,200
Total	15,000	13,500	12,500	12,100	25.2	24.5	315,200	297,400
Southwest Dist. 7								
Lincoln (12)	2,500	1,900	2,300	1,700	22.0	25.5	50,600	43,400
Other Counties	1,600	1,600	1,600	1,600	21.8	26.5	34,900	42,400
Total	4,100	3,500	3,900	3,300	21.9	26.0	85,500	85,800
South Cent. Dist. 8								
Total	1,800	1,700	1,600	1,700	25.3	31.9	40,500	54,300
Southeast Dist. 9								
Total	1,500	2,800	1,300	2,400	26.5	28.8	34,400	69,200
STATE TOTAL	100,000	85,000	91,000	76,000	25.0	25.0	2,275,000	1,900,000



1980 PADDY WILD RICE STATISTICS
(Information Provided by the Minnesota Wild Rice Growers' Association)

Wild rice was designated as the "state grain" by the Minnesota legislature in 1977.

The 1980 paddy wild rice crop was produced from about 16,000 acres. This compares with 14,000 in 1979.

Production from paddies totaled 2,400,000 pounds of processed wild rice, up 9% from the 1979- 2,200,000 pound crop.

Producers averaged $4.00/pound for their processed wild rice. That puts value of the 1980 paddy wild rice crop at $9.6 million, down 1% from 1979.

About 90% of the nation's commercial wild rice paddies are located in Minnesota. Most wild rice is grown in the north central area of Minnesota. While some wild rice is produced in natural stands, the paddies outproduce the stands by about 4 to 1 -- but there are no differences in physical characteristics or food value between the two. State law provides that wild rice grown in public waters must be hand-harvested.

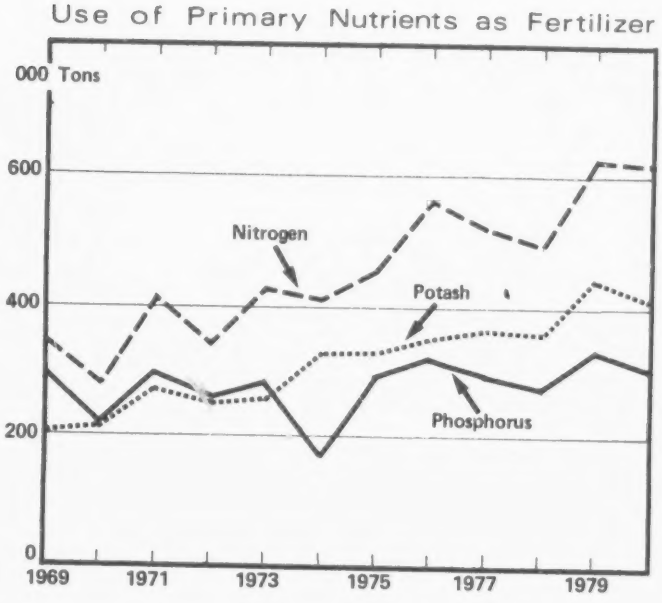
In addition, the Minnesota Department of Natural Resources estimates that 1980 wild rice production from natural stands totaled 2,500,000 pounds, up substantially from 1979's output of 760,000 pounds.

MINNESOTA FERTILIZER USAGE

Minnesota consumption of fertilizer totaled 2.3 million tons for the year ending June 30,1980, down 3% from the previous year. Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non - farm use as fertilizer.

The drop - off in consumption likely resulted from higher fertilizer prices. U.S. nitrogen prices rose about 24% from spring 1979 to spring 1980. Farm prices for potash rose more than 20% while phosphate prices climbed a sharp 42%.

Minnesota ranked 7th in U.S. fertilizer usage.



Livestock

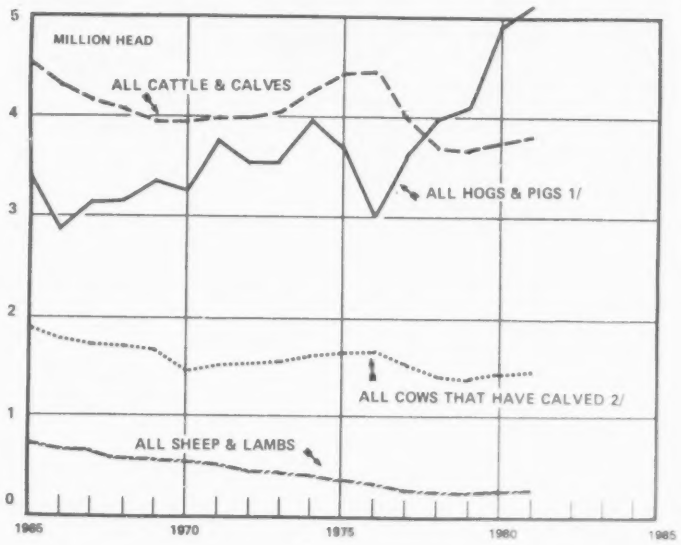
Cattle numbers on Minnesota farms on January 1, 1981 were up 1% from a year earlier and sheep and lamb numbers were up 12%. The inventory of all hogs on December 1, 1980 was up 4% from a year ago. December 1, 1980 all chickens on farms totaled 4% more than in 1979.

The combined value of all livestock and poultry on Minnesota farms was $2,665 million, an 8% increase from last year's $2,472 million. All cattle and calves, valued at $2,223 million, were 4% more than a year earlier. The value of hogs on hand December 1, 1980 accounted for $395 million, up 37%; chickens $20.2 million, up 7%; and all sheep and lambs, $18.7 million, up 2%.

The number of operations with cattle, milk cows and sheep each declined 1,000 while hogs increased 2,000 (see page 3).

Minnesota's 1980 honey crop totaled 13.7 million pounds, 7% less than the 1979 crop and 2% below the 1978 crop. Yields averaged 76 pounds per colony compared with 99 and 96 for 1979 and 1978 respectively. Colony numbers increased 21% to 180,000. Minnesota rose from 5th to 4th place nationally in honey output. Producers received an average of 53.0¢ per pound for honey, down 1.3¢ from 1979. Value of production was $7.3 million compared to $8.0 million in 1979. Beeswax production in Minnesota totaled 246,000 pounds in 1980, 8% less than the 1979 wax production; and sold for $1.90 per pound, the highest on record.

Livestock on Minnesota Farms, January 1



1/ DECEMBER 1 PRECEDING YEAR
2/ PRIOR TO 1970, "ALL COWS 2 YEARS & OLDER."

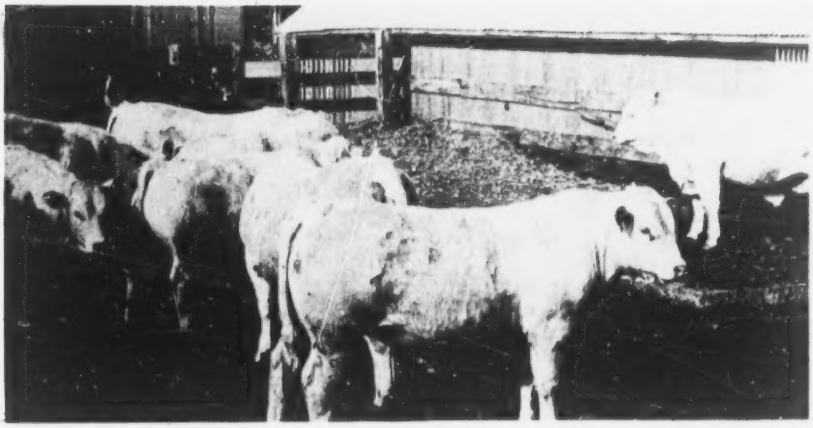
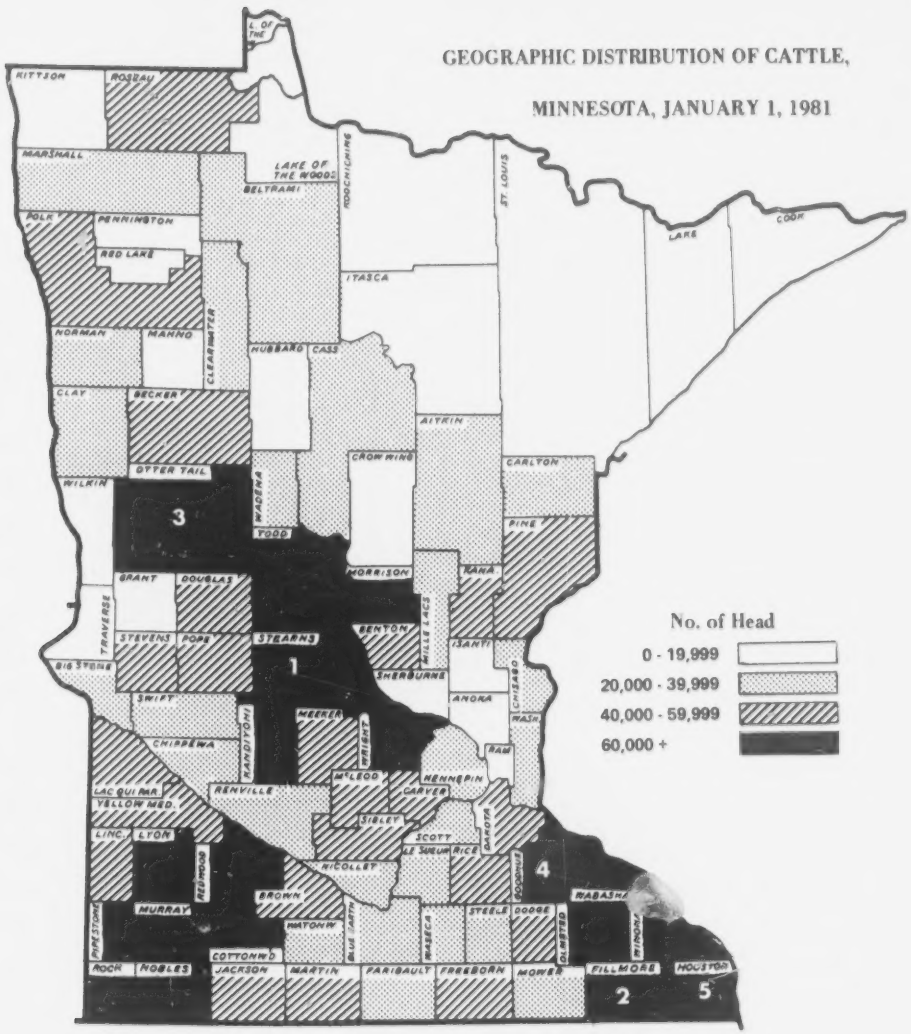


Photo Courtesy THE LAND Magazine, Mankato, Minn.

MINNESOTA LIVESTOCK AND POULTRY

Class	Number on farms			Value per head			Total farm value		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	Thousand head			Dollars			Thousand dollars		
All Cattle, January 1.....	3,650	3,750	3,800	465.00	570.00	585.00	1,697,250	2,137,500	2,223,000
Total Cows that have Calved..	1,380	1,420	1,450	--	--	--	--	--	--
Beef Cows.....	530	560	570	--	--	--	--	--	--
Milk Cows.....	850	860	880	--	--	--	--	--	--
Total Heifers 500 Pounds+....	686	740	655	--	--	--	--	--	--
Beef Replacement.....	93	105	95	--	--	--	--	--	--
Milk Replacement.....	333	390	350	--	--	--	--	--	--
Other.....	260	245	210	--	--	--	--	--	--
Steers, 500 Pounds+.....	637	640	690	--	--	--	--	--	--
Bulls, 500 Pounds+.....	44	50	55	--	--	--	--	--	--
Steers, Heifers, Bulls Under 500 Pounds.....	903	900	950	--	--	--	--	--	--
All Hogs and Pigs, December 1[1/]	4,100	4,900	5,100	90.50	59.00	77.50	371,050	289,100	395,250
All Sheep and Lambs, January 1.	255	264	295	56.00	69.50	63.50	14,280	18,348	18,733
Stock Sheep.....	210	217	250						
Ewes, 1 Year+.....	160	164	187						
Ewe Lambs.....	38	39	48						
Wethers and Rams, 1 Year+..	4	5	5						
Wethers and Ram Lambs.....	8	9	10						
Sheep and Lambs on Feed.....	45	47	45						
All Chickens, December 1[1/].....	11,920	12,500	13,000	1.50	1.50	1.55	17,880	18,750	20,150
Hens and Pullets of Laying Age.....	9,300	9,500	10,000						
Pullets 3 Months Old+, Not of Laying Age.....	1,135	1,125	1,440						
Pullets Under 3 Months.....	1,370	1,750	1,430						
Other Chickens	115	125	130						
Turkey Breeder Hens, December 1[1/]	593	633	625	13.50	12.80	12.80	8,006	8,102	8,000
TOTAL.....							2,108,466	2,471,800	2,665,133

1/ December 1 preceding year.



MINNESOTA CATTLE AND CALVES

Year	On farms, January 1			Calves born	Marketings 1/	Price per 100 lbs.		Cash 2/ receipts	Gross 3/ income
	All cattle	All cows that have calved	Milk cows that have calved			Cattle	Calves		
	1,000 head			1,000 head	1,000 lbs.	Dollars		1,000 dollars	1,000 dollars
1976	4,430	1,641	890	1,450	2,099,925	31.60	33.40	664,297	714,175
1977	4,000	1,520	880	1,390	2,050,685	31.60	38.80	650,551	684,683
1978	3,700	1,400	850	1,280	1,706,285	43.50	58.20	745,689	793,105
1979	3,650	1,380	850	1,290	1,557,765	58.90	81.90	922,904	964,740
1980	3,750	1,420	860	1,385	1,902,740	55.70	78.30	1,065,500	1,107,794
1981	3,800	1,450	880	--	--	--	--	--	--

1/ Excludes interfarm sales.
2/ Includes receipts from marketing and from sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

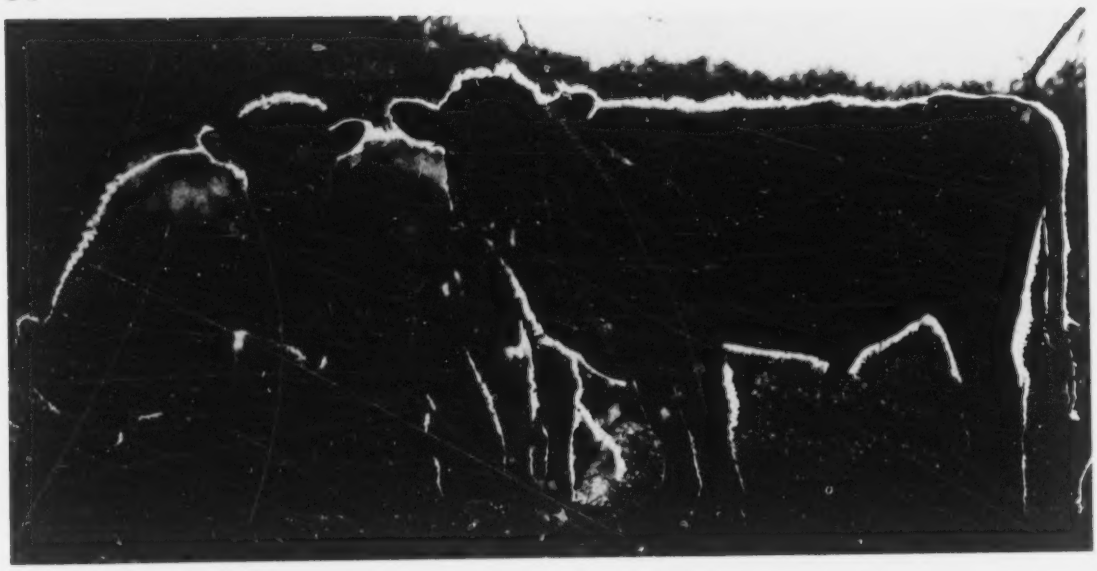


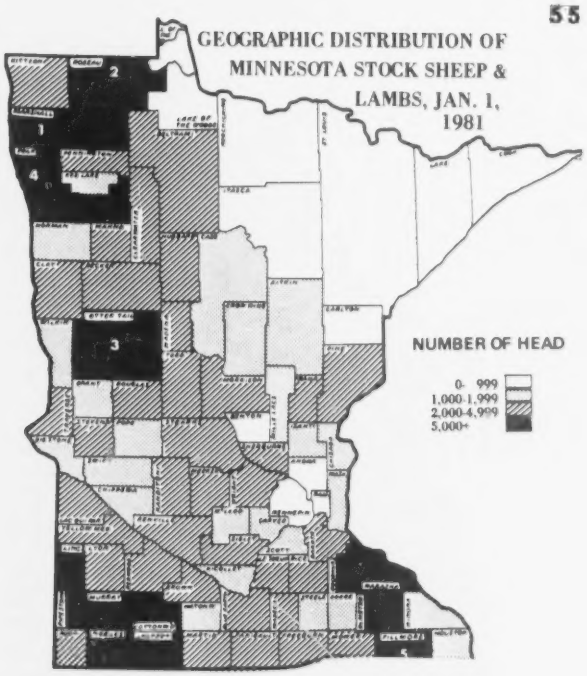
Photo Courtesy THE LAND Magazine, Mankato, Minn.

Minnesota Cattle and Calves on Feed by Quarters

Year and quarter	Classes				Weight groups 1/			
	Number	Steers and steer calves	Heifers & heifer calves	Other	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900 lbs. and over
	1,000 head				1,000 head			
1976: January 1..	430	267	159	4	72	107	134	113
April 1....	390	250	140	0	18	145	120	107
July 1.....	345	214	131	0	10	62	163	110
October 1..	285	185	100	0	14	60	92	119
1977: January 1..	340	211	126	3	72	99	91	75
April 1....	360	238	122	0	25	148	92	95
July 1.....	340	204	135	1	16	78	151	94
October 1..	300	189	108	3	18	69	109	101
1978: January 1..	400	248	148	4	99	120	93	84
April 1....	400	244	156	0	31	169	121	79
July 1.....	330	211	119	0	9	66	170	85
October 1..	280	190	90	0	16	48	99	117
1979: January 1..	400	256	140	4	45	124	119	108
April 1....	340	228	112	0	20	143	91	86
July 1.....	320	208	112	0	6	49	165	100
October 1..	265	186	79	0	7	24	89	145
1980: January 1..	390	253	135	2	48	112	95	133
April 1....	400	268	132	0	18	149	122	111
July 1.....	365	233	132	0	6	46	170	143
October 1..	310	205	105	0	7	35	103	165
1981: January 1..	370	251	117	2	39	112	99	118
April 1....	405	267	138	0	22	159	131	93

1/ "Other" class not included in "Weight groups."

Photo Courtesy THE LAND Magazine, Mankato, Minn.



MINNESOTA SHEEP AND LAMBS

Year	On farms, January 1			Lambs saved	Marketings 1/	Cash receipts 2/	Gross income 3/
	Total all sheep and lambs	On feed for market	Stock (breeding) sheep				
	Thousand head			Thousand head		Thousand dollars	
1976	315	70	245	237	241	9,874	10,154
1977	275	65	210	214	224	10,666	10,962
1978	255	52	203	200	182	10,776	11,160
1979	255	45	210	198	184	11,602	11,990
1980	264	47	217	205	194	11,408	11,838
1981	295	45	250	---	---	---	---

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and from sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA WOOL

Year	Sheep shorn 1/	Production		Annual average price per pound 2/	Value
		Per fleece	Total		
	Thousand head	Pounds	Thousand pounds	Cents	Thousand dollars
1976	300	7.4	2,231	50	1,116
1977	251	7.6	1,905	66	1,257
1978	243	7.6	1,857	67	1,244
1979	252	7.7	1,933	71	1,372
1980	265	7.3	1,945	73	1,420

1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payment.

ALL CATTLE, CATTLE ON FEED & ALL STOCK SHEEP, JANUARY 1, 1980-81, BY COUNTIES, MINNESOTA

District and County	All Cattle and Calves		Cattle and Calves on Feed		All Stock Sheep and Lambs	
	1980	1981	1980	1981	1980	1981
	Number		Number		Number	
Northwest Dist. 1						
Becker	47,900	48,600	1,300	1,000	3,500	3,500
Clay	28,800	27,700	2,600	2,300	1,700	2,800
Clearwater	27,900	26,600	1,100	1,000	4,300	4,500
Kittson	15,300	12,500	300	300	2,900	2,500
Mahnomen	19,500	19,000	1,200	1,000	1,500	2,000
Marshall	30,500	25,000	1,300	1,200	7,000	11,500
Norman	27,500	23,500	1,300	1,400	1,700	1,600
Pennington	17,400	19,200	1,200	900	1,900	2,500
Polk	54,000	51,000	3,500	3,000	6,500	7,500
Red Lake	14,200	14,000	400	300	1,900	1,700
Roseau	38,200	41,500	900	800	9,000	9,500
Total	321,200	308,600	15,100	13,200	41,900	49,600
North Cent. Dist. 2						
Beltrami	29,400	31,500	1,200	900	2,100	2,400
Cass	24,600	28,000	400	400	1,300	1,800
Hubbard	14,100	16,300	500	400	1,700	2,400
Itasca	15,000	17,500	300	300	400	800
Koochiching	9,500	10,000	100	100	600	900
Lake of the Woods	10,500	9,500	100	100	500	600
Total	103,100	112,800	2,600	2,200	6,600	8,900
Northeast Dist. 3						
Cook	300	300	0	0	0	0
Lake	500	600	0	0	100	100
St. Louis	18,400	18,800	400	300	600	900
Total	19,200	19,700	400	300	700	1,000
West Cent. Dist. 4						
Big Stone	21,000	22,300	2,800	2,500	1,200	1,400
Chippewa	22,000	21,500	7,300	6,700	1,700	1,600
Douglas	48,000	46,500	1,300	1,200	2,000	2,300
Grant	18,000	17,400	4,100	3,600	1,400	1,500
Lac Qui Parle	45,000	43,500	8,800	8,300	2,500	3,500
Otter Tail	137,500	142,000	5,000	4,500	8,000	8,900
Pope	48,500	48,500	3,000	2,900	1,100	1,200
Stevens	52,500	48,500	14,500	14,400	4,100	4,200
Swift	24,800	31,000	6,400	6,200	1,500	1,200
Traverse	14,800	17,100	2,400	2,300	2,700	3,100
Wilkin	10,500	12,500	300	300	1,400	1,300
Yellow Medicine	46,000	43,500	9,800	9,300	2,500	2,800
Total	488,600	494,300	65,700	62,200	30,100	33,000
Central Dist. 5						
Benton	46,000	48,500	800	700	700	800
Carver	55,000	53,000	2,900	2,700	1,000	1,100
Kandiyohi	59,300	61,500	6,100	5,700	3,300	3,700
McLeod	46,900	50,900	2,000	1,900	1,200	1,300
Meeker	44,500	45,300	2,300	2,000	1,900	2,100
Morrison	86,000	90,000	1,400	1,300	1,400	2,000
Renville	38,000	36,500	7,200	6,700	3,700	4,500
Scott	37,000	36,200	2,200	2,000	900	1,200
Sherburne	16,800	16,400	1,400	1,200	1,800	2,300
Sibley	47,400	48,500	4,600	4,700	2,200	2,500
Stearns	166,300	168,500	5,500	5,200	1,400	2,500
Todd	85,700	88,000	1,400	1,100	2,800	3,500
Wadena	27,500	28,700	400	400	1,800	2,200
Wright	68,700	69,600	3,300	3,100	2,000	2,300
Total	825,100	841,600	41,500	38,700	26,100	32,000

ALL CATTLE, CATTLE ON FEED & ALL STOCK SHEEP, JANUARY 1, 1980--1981, BY COUNTIES, MINNESOTA

District and County	All Cattle and Calves		Cattle and Calves on Feed		All Stock Sheep and Lambs	
	1980	1981	1980	1981	1980	1981
	Number		Number		Number	
East Cent. Dist. 6						
Aitkin	23,500	25,400	100	100	1,500	1,500
Anoka	7,100	7,000	500	400	300	500
Carlton	23,100	21,500	400	300	700	800
Chisago	29,400	30,500	1,400	1,300	1,300	1,600
Crow Wing	16,500	18,500	200	200	1,200	1,500
Hennepin	24,300	25,800	800	700	300	400
Isanti	15,200	14,500	600	500	900	1,000
Kanabec	38,500	42,600	600	500	1,800	2,200
Mille Lacs	41,400	39,300	600	600	800	1,000
Pine	50,700	49,500	500	500	2,500	2,600
Ramsey	500	400	200	200	200	200
Washington	21,600	22,500	1,800	1,600	1,500	1,700
Total	291,800	297,500	7,700	6,900	13,000	15,000
Southwest Dist. 7						
Cottonwood	57,300	62,800	16,800	16,900	5,100	6,200
Jackson	47,500	44,500	12,600	11,400	5,200	6,200
Lincoln	57,100	52,500	10,600	9,600	5,300	6,000
Lyon	73,800	70,500	18,700	17,600	4,300	4,700
Murray	75,100	80,500	17,900	17,700	5,400	5,900
Nobles	61,300	62,200	14,900	14,700	5,900	5,800
Pipestone	54,900	61,500	9,400	9,200	5,000	5,500
Redwood	58,100	60,500	17,100	17,100	3,000	3,400
Rock	71,900	80,400	18,500	16,900	3,300	3,900
Total	557,000	575,400	136,500	131,100	42,500	47,600
South Cent. Dist. 8						
Blue Earth	33,200	30,500	7,700	7,300	4,000	4,600
Brown	43,400	41,500	7,400	7,300	2,000	3,200
Faribault	35,400	34,200	7,900	7,400	4,200	4,800
Freeborn	40,100	43,000	4,700	4,300	2,700	2,500
LeSueur	33,100	33,800	3,800	3,600	2,000	2,100
Martin	50,200	55,100	17,700	17,100	2,200	2,100
Nicollet	30,200	30,200	5,100	4,800	1,400	1,900
Rice	54,100	57,000	4,000	3,900	2,100	2,200
Steele	33,000	35,400	3,600	3,400	1,500	1,900
Waseca	23,500	22,600	3,200	3,000	2,200	2,100
Watonwan	26,600	25,000	7,000	6,700	1,400	1,300
Total	402,800	408,300	72,100	68,800	25,700	28,700
Southeast Dist. 9						
Dakota	41,700	41,400	5,500	5,200	1,500	2,500
Dodge	43,500	46,200	3,900	4,000	1,000	1,400
Fillmore	149,600	143,000	9,100	8,400	6,500	6,700
Goodhue	102,300	110,400	4,100	4,000	5,600	6,300
Houston	91,400	95,500	5,000	4,900	1,300	1,100
Mower	39,700	37,300	6,700	6,100	3,200	3,500
Olmsted	86,000	90,100	4,800	4,800	5,100	5,800
Wabasha	94,500	95,000	5,200	5,200	4,400	5,000
Winona	92,500	82,900	4,100	4,000	1,800	1,900
Total	741,200	741,800	48,400	46,600	30,400	34,200
STATE TOTAL	3,750,000	3,800,000	390,000	370,000	217,000	250,000

NOTE: Due to a reduction in Minnesota Department of Agriculture funds, livestock county estimates -- including those above -- will be discontinued. These estimates may be resumed if funding permits. Your comments are invited.

MINNESOTA COWS AND HEIFERS THAT HAVE CALVED, JANUARY 1, BY COUNTY

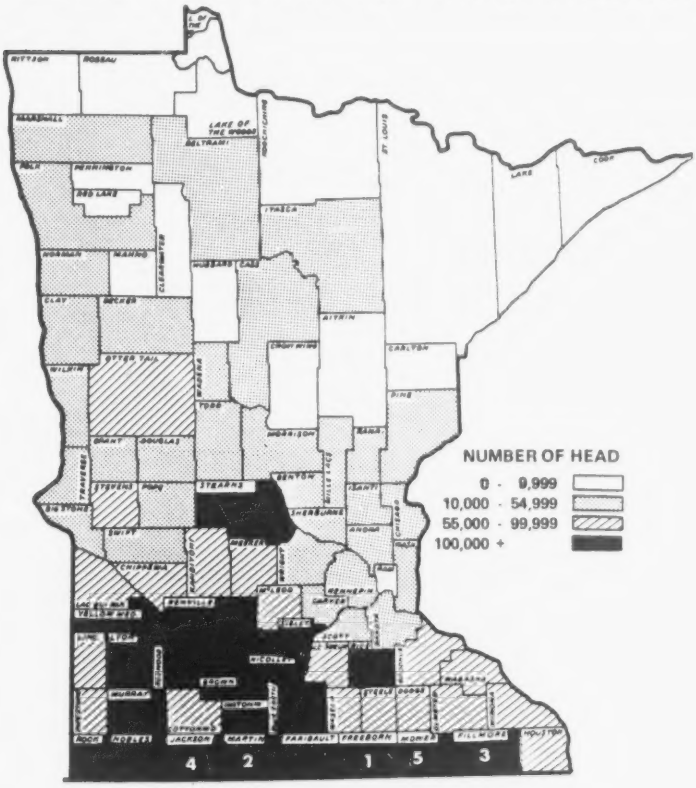
District and county	Beef cows		Milk cows	
	1980	1981	1980	1981
	Number		Number	
Northwest Dist. 1				
Becker	9,300	10,600	11,500	12,500
Clay	8,400	7,700	3,800	4,300
Clearwater	9,200	8,700	3,500	3,800
Kittson	6,100	5,500	800	900
Mahnomen	4,500	4,900	3,100	3,200
Marshall	8,600	7,900	3,600	2,900
Norman	7,700	7,400	3,900	3,700
Pennington	4,900	4,600	3,200	3,200
Polk	15,100	14,500	7,000	6,900
Red Lake	3,800	4,000	3,200	3,500
Roseau	12,500	13,800	4,900	5,300
Total	90,100	89,600	48,500	50,200
North Cent. Dist. 2				
Beltrami	9,100	9,300	3,400	4,200
Cass	8,200	9,100	3,300	4,100
Hubbard	4,000	4,800	1,800	2,200
Itasca	4,600	4,900	1,200	1,600
Koochiching	3,300	3,300	400	600
Lake of the Woods	3,500	3,800	700	600
Total	32,700	35,200	10,800	13,300
Northeast Dist. 3				
Cook	200	200	0	0
Lake	200	200	100	100
St. Louis	4,500	4,600	3,500	4,000
Total	4,900	5,000	3,600	4,100
West Cent. Dist. 4				
Big Stone	5,200	5,400	2,300	2,600
Chippewa	2,900	3,100	2,800	2,400
Douglas	6,100	6,800	19,600	18,100
Grant	2,300	2,500	3,900	3,900
Lac Qui Parle	9,800	10,100	4,200	4,200
Otter Tail	20,600	20,500	43,700	45,000
Pope	6,400	6,500	12,500	12,400
Stevens	4,800	5,200	2,100	1,900
Swift	5,200	5,900	4,700	5,200
Traverse	3,300	3,700	1,200	1,300
Wilkin	2,700	2,900	2,000	2,100
Yellow Medicine	7,800	7,400	4,300	3,600
Total	77,100	80,000	103,300	102,700
Central Dist. 5				
Benton	4,400	4,500	17,200	17,700
Carver	2,900	2,800	24,000	22,500
Kandiyohi	5,100	5,600	11,900	13,400
McLeod	2,200	2,600	21,900	23,700
Meeker	3,300	3,800	15,900	16,500
Morrison	6,600	7,400	33,100	34,900
Renville	3,200	3,000	5,400	5,600
Scott	3,000	2,700	11,900	12,000
Sherburne	2,500	2,600	4,100	3,900
Sibley	3,200	3,600	16,000	17,000
Stearns	10,300	9,100	73,400	71,000
Todd	8,600	7,600	32,700	34,500
Wadena	4,200	4,400	8,200	8,300
Wright	6,200	6,900	23,900	24,500
Total	65,700	66,600	299,600	305,500

MINNESOTA COWS AND HEIFERS THAT HAVE CALVED, JANUARY 1, BY COUNTY (CONTINUED)

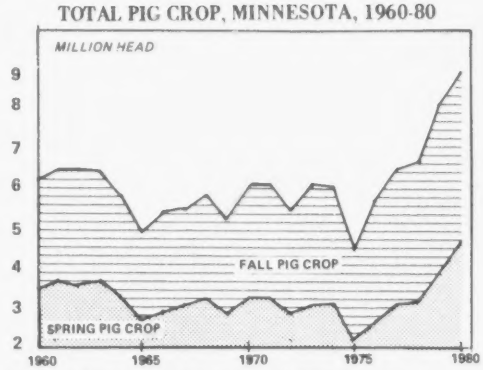
District and county	Beef cows		Milk cows	
	1980	1981	1980	1981
	Number		Number	
East Cent. Dist. 6				
Aitkin	6,200	6,700	4,900	5,100
Anoka	1,700	1,600	1,800	1,800
Carlton	4,300	3,700	6,000	6,100
Chisago	4,600	4,400	7,400	8,400
Crow Wing	3,400	3,800	4,600	4,700
Hennepin	2,200	2,500	7,600	7,600
Isanti	2,000	2,200	5,300	5,400
Kanabec	7,500	7,500	9,200	10,500
Mille Lacs	3,400	3,500	14,700	14,500
Pine	7,200	6,900	13,900	14,000
Ramsey	200	200	0	100
Washington	3,000	3,600	4,900	4,300
Total	45,700	46,600	80,300	82,500
Southwest Dist. 7				
Cottonwood	7,000	7,700	3,700	4,200
Jackson	7,300	6,900	2,900	3,300
Lincoln	11,000	10,000	5,700	6,700
Lyon	11,400	12,400	5,400	5,400
Murray	9,900	10,100	8,000	8,500
Nobles	9,500	10,500	7,000	6,300
Pipestone	10,000	10,200	7,800	8,500
Redwood	7,900	8,500	5,800	4,900
Rock	11,100	12,500	6,700	6,800
Total	85,100	88,800	53,000	54,600
South Cent. Dist. 8				
Blue Earth	4,400	4,100	4,100	3,600
Brown	2,600	2,400	12,300	11,500
Faribault	3,000	3,100	4,200	4,600
Freeborn	5,600	5,100	8,700	8,900
LeSueur	4,900	4,400	8,800	9,000
Martin	5,800	5,400	3,400	3,800
Nicollet	2,700	2,500	8,700	9,000
Rice	3,400	3,000	19,000	19,500
Steele	2,100	2,100	11,200	12,200
Waseca	2,800	2,600	7,000	7,800
Watonwan	3,300	3,400	2,800	2,500
Total	40,600	38,100	90,200	92,400
Southeast Dist. 9				
Dakota	3,600	3,500	9,700	10,000
Dodge	3,800	4,000	12,600	13,400
Fillmore	36,600	34,500	26,700	25,500
Goodhue	11,800	12,700	30,000	32,000
Houston	16,100	17,200	17,000	18,500
Mower	5,700	5,600	9,400	9,000
Olmstead	13,600	15,100	16,600	17,300
Wabasha	15,300	16,500	20,400	21,000
Winona	11,600	11,000	28,300	28,000
Total	118,100	120,100	170,700	174,700
STATE TOTAL	560,000	570,000	860,000	880,000

NOTE: Due to a reduction in Minnesota Department of Agriculture funds, livestock county estimates -- including those above -- will be discontinued. These estimates may be resumed if funding permits. Your comments are invited.

GEOGRAPHIC DISTRIBUTION OF HOGS, MINNESOTA, DECEMBER 1, 1980



TOTAL PIG CROP, MINNESOTA, 1960-80



1/ Fall pig crop is for June through November; spring pig crop is for December (previous year) through May.

MINNESOTA: The Nation's #3 Hog State

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production[1/]	Marketings[2/]	Price per 100 lbs.	Cash receipts[3/]	Gross income[4/]
	Thousand pounds		Dollars	Thousand dollars	
1976	1,165,450	1,068,628	42.60	462,225	501,417
1977	1,355,597	1,258,186	39.10	499,117	543,167
1978	1,442,782	1,397,080	46.70	663,047	697,567
1979	1,692,992	1,552,249	42.00	660,372	697,972
1980	1,990,612	1,896,236	38.30	732,598	749,944

1/ Adjustments made for number shipped in and changes in inventory.
2/ Excludes interfarm sales.
3/ Includes receipts from marketings and sale of farm slaughtered meats.
4/ Includes value of home consumption on farms.

MINNESOTA SOWS FARROWED, PIG CROPS, AND DISPOSITION

Year	Spring		Fall		Annual total		Inship-ments	Market-ings [1/]	Farm slaughter	Deaths	All hogs on farms Dec. 1
	Sows farrowed	Pig crop	Sows farrowed	Pig crop	Sows farrowed	Pig crop					
	Thousand head		Thousand head		Thousand head		Thousand head				
1976	359	2,699	415	3,058	774	5,757	254	4,981	50	300	3,600
1977	420	3,105	465	3,393	885	6,498	219	5,831	51	435	4,000
1978	440	3,258	460	3,391	900	6,649	271	6,315	35	470	4,100
1979	540	3,905	560	4,101	1,100	8,006	254	6,888	42	530	4,900
1980	615	4,612	580	4,324	1,195	8,936	226	8,361	51	550	5,100

1/ Excludes interfarm sales.

MINNESOTA HOGS AND PIGS BY QUARTERS

Year and quarter	Hogs and pigs	For breeding purposes	Market hogs and pigs				
			Under 60 lbs.	60-119 lbs.	120-179 lbs.	180-219 lbs. [1/]	220 lbs. and over [1/]
	1,000 head	1,000 head	1,000 head				
1976: March	3,000	465	1,077	540	558	309	51
June	3,280	558	1,320	694	408	245	55
September	3,500	500	1,400	678	522	340	60
December	3,600	558	1,354	760	530	292	106
1977: March	3,200	544	1,156	584	518	345	53
June	3,400	595	1,388	632	457	278	50
September	3,800	575	1,506	755	532	367	65
December	4,000	608	1,462	875	617	373	65
1978: March	3,700	581	1,323	692	639	465	
June	3,650	602	1,402	719	494	433	
September	3,650	605	1,340	761	518	426	
December	4,100	697	1,515	840	637	411	
1979: March	4,120	721	1,513	765	679	442	
June	4,500	788	1,726	910	575	501	
September	4,600	760	1,785	920	655	480	
December	4,900	784	1,634	1,153	856	473	
1980 March	4,950	742	1,843	922	862	581	
June	5,000	775	1,901	1,077	697	550	
September	5,100	740	1,940	1,090	740	590	
December	5,100	816	1,778	1,070	900	536	
1981: March	4,450	665	1,442	980	780	583	

1/ Beginning with March 1978, 220 lbs. and over combined with 180-219 to make 180 lbs. and over.

MINNESOTA HOGS AND PIGS, DECEMBER 1, BY COUNTY

District and County	All Hogs, Dec. 1		Sows Farrowed[1/]		Pig Crop[1/]	
	1979	1980	1979	1980	1979	1980
	Number		Number		Number	
Northwest Dist. (1)						
Becker	12,500	10,500	4,500	3,600	32,100	26,100
Clay	15,000	12,500	3,900	3,300	27,800	23,900
Clearwater	3,400	3,600	1,600	1,700	11,400	12,300
Kittson	2,000	1,800	600	600	4,300	4,400
Mahnomen	5,000	4,800	1,800	1,700	12,800	12,300
Marshall	12,000	10,500	4,700	4,600	33,500	33,300
Norman	17,500	17,000	4,000	4,300	28,500	31,200
Pennington	6,000	8,500	2,500	3,300	17,800	23,900
Polk	15,000	14,000	4,200	3,800	30,000	27,600
Red Lake	3,500	3,600	1,300	1,200	9,300	8,700
Roseau	3,000	3,500	1,200	1,400	8,600	10,200
Total	94,900	90,300	30,300	29,500	216,100	213,900
North Cent. Dist. (2)						
Beltrami	8,800	11,000	4,500	5,000	34,900	36,900
Cass	7,500	10,500	3,000	3,600	23,300	26,500
Hubbard	6,900	6,000	2,800	2,300	21,700	16,900
Itasca	5,400	10,000	1,800	3,000	14,000	22,100
Koochiching	1,000	2,000	500	800	3,900	5,900
Lake of the Woods	1,000	2,000	500	800	3,900	5,900
Total	30,600	41,500	13,100	15,500	101,700	114,200
Northeast Dist. (3)						
Cook	---	---	---	---	---	---
Lake	---	---	---	---	---	---
St. Louis	2,000	2,000	800	900	6,000	7,000
Total	2,000	2,000	800	900	6,000	7,000
West Cent. Dist. (4)						
Big Stone	40,000	36,000	8,400	7,500	60,200	55,400
Chippewa	65,000	71,000	13,700	14,500	98,200	107,200
Douglas	28,000	30,000	10,300	11,000	73,800	81,300
Grant	26,000	27,000	6,500	6,800	46,600	50,300
Lac Qui Parle	75,000	68,000	14,200	12,800	101,800	94,600
Otter Tail	75,000	73,000	21,000	21,000	150,500	155,100
Pope	39,000	35,000	10,500	11,000	75,200	81,300
Stevens	69,000	75,000	14,000	16,000	100,300	118,300
Swift	57,000	50,000	11,000	10,000	78,800	73,900
Traverse	19,000	20,500	3,300	3,500	23,600	25,900
Wilkin	22,000	21,000	4,500	5,000	32,200	37,000
Yellow Medicine	100,000	100,000	19,000	20,000	136,100	147,800
Total	615,000	606,500	136,400	139,100	977,300	1,028,100
Central Dist. (5)						
Benton	31,000	32,000	12,600	12,500	90,300	92,600
Carver	36,000	39,000	9,000	10,500	64,500	77,800
Kandiyohi	66,000	75,000	15,500	20,000	111,000	148,200
McLeod	67,000	85,000	16,000	21,000	114,600	155,600
Meeker	85,000	89,000	21,500	24,000	154,000	177,900
Morrison	42,000	52,000	22,500	25,500	161,200	189,000
Renville	126,000	145,000	21,500	26,500	154,000	196,400
Scott	40,000	38,000	7,500	8,000	53,700	59,300
Sherburne	26,000	25,500	5,000	5,700	35,800	42,200
Sibley	128,000	130,000	28,000	31,000	200,600	229,700
Stearns	127,000	140,000	48,500	49,000	347,500	363,200
Todd	36,000	36,000	14,000	15,000	100,300	111,200
Wadena	24,000	25,000	8,500	9,500	60,900	70,400
Wright	54,000	50,000	15,000	15,500	107,500	114,900
Total	888,000	961,500	245,100	273,700	1,755,900	2,028,400

MINNESOTA HOGS AND PIGS, DECEMBER 1, BY COUNTY (CONTINUED)

District and County	All Hogs, Dec. 1		Sows Farrowed 1/		Pig Crop 1/	
	1979	1980	1979	1980	1979	1980
	Number		Number		Number	
East Cent. Dist. (6)						
Aitkin	2,500	2,500	1,000	1,000	8,000	7,500
Anoka	9,500	10,000	1,200	1,400	9,500	10,500
Carlton	1,500	1,900	300	400	2,400	3,000
Chisago	9,500	12,000	3,000	3,500	23,900	26,200
Crow Wing	6,000	7,000	2,400	3,000	19,100	22,500
Hennepin	9,000	10,000	2,400	2,500	19,100	18,700
Isanti	18,000	19,000	6,000	6,000	47,700	45,000
Kanabec	17,500	20,000	4,500	5,100	35,800	38,200
Mille Lacs	15,500	15,000	5,500	5,600	43,800	41,900
Pine	11,500	11,000	4,500	4,500	35,800	33,700
Ramsey	1,500	1,300	200	200	1,600	1,500
Washington	10,500	13,000	2,500	3,100	19,900	23,200
Total	112,500	122,700	33,500	36,300	266,600	271,900
Southwest Dist. (7)						
Cottonwood	92,000	83,000	18,500	17,500	136,500	132,300
Jackson	166,000	175,000	27,800	31,500	205,300	238,200
Lincoln	50,000	63,000	15,300	19,500	112,900	147,500
Lyon	133,000	112,000	28,000	24,500	206,600	185,300
Murray	115,000	105,000	25,000	23,500	184,500	177,700
Nobles	165,000	159,000	33,000	32,500	243,500	245,800
Pipestone	71,000	62,000	17,500	15,500	129,100	117,200
Redwood	135,000	145,000	25,000	26,500	184,500	200,400
Rock	105,000	120,000	19,000	22,500	140,200	170,100
Total	1,032,000	1,024,000	209,100	213,500	1,543,100	1,614,500
South Cent. Dist. (8)						
Blue Earth	136,000	140,000	23,000	25,000	163,700	191,100
Brown	115,000	130,000	21,500	26,000	153,000	198,700
Faribault	137,000	126,500	27,000	30,000	192,100	229,300
Freeborn	178,000	188,000	38,000	42,000	270,000	321,000
LeSueur	80,000	80,000	16,000	17,000	113,800	129,900
Martin	185,000	185,000	44,000	45,000	313,100	343,900
Nicollet	115,000	121,000	20,000	22,000	142,300	168,200
Rice	98,000	110,000	18,500	21,500	131,600	164,300
Steele	88,000	80,000	17,000	16,500	121,000	126,100
Waseca	78,000	74,000	18,000	17,500	128,100	133,800
Watonwan	91,000	102,000	15,500	17,500	110,300	133,800
Total	1,301,000	1,336,500	258,500	280,000	1,839,000	2,140,100
Southeast Dist. (9)						
Dakota	53,000	50,000	9,800	12,000	73,600	88,200
Dodge	73,000	80,000	15,000	18,500	112,600	136,000
Fillmore	166,000	185,000	37,000	43,000	277,800	316,000
Goodhue	78,000	88,000	17,500	21,000	131,400	154,400
Houston	80,000	92,000	20,000	24,000	150,100	176,400
Mower	160,000	175,000	30,000	35,500	225,200	260,900
Olmsted	65,000	75,000	13,900	17,000	104,400	125,000
Wabasha	80,000	95,000	15,000	18,500	112,600	136,000
Winona	69,000	75,000	15,000	17,000	112,600	125,000
Total	824,000	915,000	173,200	206,500	1,300,300	1,517,900
STATE TOTAL	4,900,000	5,100,000	1,100,000	1,195,000	8,006,000	8,936,000

1/ Annual total

NOTE: Due to a reduction in Minnesota Department of Agriculture funds, livestock county estimates -- including those above -- will be discontinued. These estimates may be resumed if funding permits. Your comments are invited.

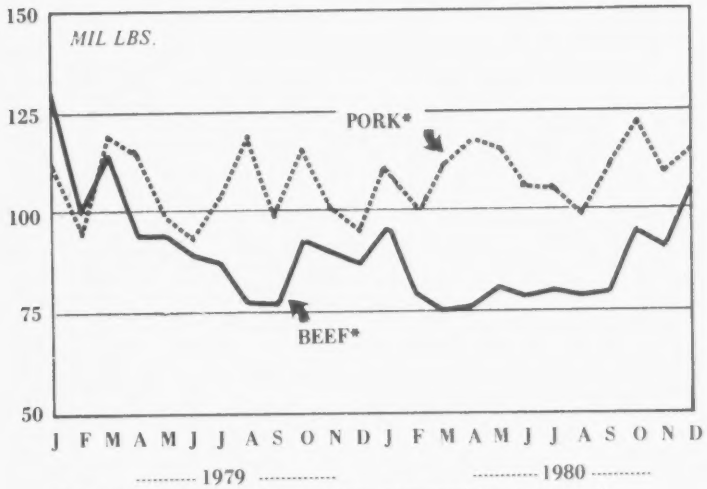
MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	Cattle						Calves					
	Number Slaughtered		Liveweight				Number Slaughtered		Liveweight			
			Average Weight		Total Weight				Average Weight		Total Weight	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
	Thousands		Pounds		Thousand Pounds		Thousands		Pounds		Thousand Pounds	
January....	117.0	89.0	1,108	1,094	129,664	97,415	0.7	0.6	167	186	116	103
February...	92.2	72.1	1,101	1,118	101,523	80,664	0.6	0.6	217	201	126	113
March.....	104.2	67.6	1,097	1,114	114,317	75,296	0.5	0.5	188	199	97	91
April.....	86.0	67.8	1,099	1,127	94,479	76,490	0.3	0.4	211	211	69	91
May.....	86.0	74.3	1,100	1,116	94,613	82,934	0.4	0.4	189	220	75	88
June.....	79.9	71.5	1,116	1,113	89,229	79,616	0.4	0.4	218	221	81	94
July.....	81.2	74.4	1,079	1,088	87,701	80,951	0.4	0.4	209	226	83	94
August.....	74.0	73.1	1,067	1,081	78,889	79,052	0.4	0.4	207	208	85	87
September..	71.3	74.2	1,084	1,091	77,314	80,960	0.4	0.4	195	182	77	80
October....	85.6	87.9	1,087	1,102	93,034	96,792	0.6	0.5	184	196	116	105
November...	82.4	83.5	1,105	1,100	91,067	91,767	0.7	0.5	188	194	122	89
December...	80.2	94.2	1,096	1,116	87,942	105,195	0.5	0.6	175	194	88	111
ANNUAL TOTAL....	1,040.1	929.7	1,096	1,105	1,139,773	1,027,131	5.9	5.7	193	202	1,135	1,147

Month	Hogs						Sheep and Lambs					
January....	471.4	475.1	239	237	112,737	112,380	22.4	43.3	118	115	2,646	4,983
February...	415.9	439.2	233	233	96,747	102,147	18.0	40.8	120	117	2,154	4,794
March.....	507.7	484.2	235	232	119,213	112,121	22.0	42.1	121	119	2,676	5,027
April.....	485.6	502.9	237	234	115,048	117,452	22.5	39.2	123	118	2,771	4,614
May.....	416.8	492.3	239	237	99,591	116,860	21.1	36.9	119	117	2,509	4,326
June.....	390.0	448.2	242	240	94,442	107,789	20.0	34.1	120	112	2,393	3,812
July.....	428.3	446.6	243	238	103,853	106,460	20.8	43.1	114	107	2,383	4,610
August.....	502.5	423.6	238	235	119,703	99,732	27.7	51.0	112	108	3,092	5,513
September..	417.7	473.4	238	237	99,613	111,977	45.8	44.6	110	108	5,046	4,806
October....	491.4	516.2	238	237	116,818	122,192	48.1	51.8	111	110	5,352	5,719
November...	422.6	457.2	240	241	101,303	110,069	45.3	39.2	112	111	5,060	4,376
December...	396.6	479.9	242	240	95,896	115,292	44.0	48.0	114	116	5,030	5,561
ANNUAL TOTAL....	5,346.4	5,638.8	238	237	1,274.963	1,334,469	357.8	514.0	115	113	41,114	58,141

NOTE: Totals may not add due to rounding.

MINNESOTA'S BEEF AND PORK SLAUGHTER



* Total liveweight of cattle and hogs commercially slaughtered.

MINNESOTA HONEY AND BEESWAX

Year	Number of colonies	Production per colony	Honey production	Beeswax production	Average price received by producers		Value of production	
					Honey	Beeswax	Honey	Beeswax
	Thousands	Pounds	Thousand pounds		Dollars per pound		Thousand dollars	
1976	155	92	14,260	228	.476	1.15	6,788	262
1977	150	80	12,000	228	.470	1.55	5,640	353
1978	145	96	13,920	251	.495	1.82	6,890	457
1979	149	99	14,751	266	.543	1.89	8,010	503
1980	180	76	13,680	246	.530	1.90	7,250	467

Minnesota's milk production totaled 9.5 billion pounds in 1980, 4% higher than 1979. The state's share of national production remained unchanged at 7.4% in 1980. Milk cows increased from 843,000 to 862,000 in 1980.

The revised June count of farms selling milk or cream totaled 25,282 in 1980, down 1,348 from the 26,630 in 1979. Milk production per cow averaged 11,061 pounds in 1980, up 213 pounds per cow from a year earlier. Cash receipts from farm marketings of milk and cream were 1,174 million, up 14 percent from the previous year.

1980 Princess Kay -- Jean Lindig of Pine City, Minnesota

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total milk produced	Disposition of milk produced				Cash receipts	Gross producer income
		Used on farm where produced		Sale of milk & cream			
		Fed to calves	Consumed in farm household	Wholesale			
				Milk	Cream		
	Mil. lbs.	Million pounds				Thousand dollars	Thousand dollars
1976	9,239	146	74	9,010	9	785,064	791,502
1977	9,483	138	67	9,270	8	816,973	822,876
1978	9,089	110	47	8,925	7	880,294	884,928
1979	9,145	53	27	9,065	0	1,026,158	1,029,214
1980	9,535	47	23	9,465	0	1,173,660	1,176,512

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All cheese	American cheese	Non-fat dry milk solids	Dry whey solids	Ice cream	Ice milk	Milk sherbet
	1,000 pounds					1,000 gallons		
1976	177,454	430,491	365,162	187,481	151,509	29,528	5,608	1,506
1977	198,635	410,628	344,573	229,354	152,033	30,906	5,141	1,465
1978	170,575	451,569	381,597	175,561	173,223	31,879	5,177	1,507
1979	154,872	479,952	419,304	151,144	177,445	32,523	5,122	1,507
1980	162,911	512,361	453,459	171,643	158,958	32,888	5,310	1,578

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1976	890	886	882	878	874	870	870	872	874	876	878	880	878
1977	880	878	876	874	872	870	865	862	859	856	853	850	866
1978	850	845	839	830	825	825	825	830	835	840	845	850	837
1979	850	845	840	833	833	830	835	840	845	350	855	860	843
1980	855	850	850	850	855	855	860	865	870	875	880	880	862

MILK PRODUCTION ON FARMS
(Million pounds)

1976	774	784	882	869	900	874	783	689	621	639	667	757	9,239
1977	818	812	920	896	933	914	813	711	640	651	648	727	9,483
1978	782	756	856	851	879	866	776	681	626	651	642	723	9,089
1979	786	761	857	829	875	863	760	689	638	672	667	748	9,145
1980	774	765	859	859	906	889	808	753	709	713	708	792	9,535

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1976	3.66	3.62	3.62	3.59	3.55	3.48	3.46	3.47	3.56	3.69	3.75	3.73	3.60
1977	3.68	3.64	3.59	3.56	3.51	3.50	3.48	3.50	3.61	3.71	3.69	3.70	3.59
1978	3.66	3.63	3.61	3.59	3.55	3.52	3.51	3.51	3.59	3.70	3.75	3.76	3.61
1979	3.72	3.68	3.65	3.64	3.62	3.55	3.51	3.54	3.63	3.75	3.77	3.75	3.65
1980	3.71	3.68	3.69	3.64	3.57	3.51	3.48	3.50	3.63	3.75	3.77	3.75	3.64

BUTTER MANUFACTURED
(Million pounds)

1976	16.9	16.0	18.9	17.3	17.2	16.7	14.7	10.6	9.6	11.7	12.9	14.9	177.5
1977	16.6	15.8	18.8	19.1	19.3	18.9	18.3	16.0	13.9	13.0	13.9	14.9	198.6
1978	16.0	14.6	16.5	16.6	17.2	16.1	14.7	12.4	11.4	11.9	10.7	12.6	170.6
1979	14.8	13.5	15.7	15.1	15.8	15.0	12.3	11.5	9.1	10.5	10.0	11.5	154.9
1980	12.6	13.4	14.7	15.2	15.1	13.8	13.0	13.9	12.9	12.2	12.2	13.9	163.0

AMERICAN CHEESE MANUFACTURED
(Million pounds)

1976	26.6	27.4	29.3	34.0	36.0	34.2	29.6	29.7	27.6	28.6	28.8	33.3	365.2
1977	34.9	32.5	34.9	33.0	33.1	30.5	22.3	22.3	20.4	25.5	25.5	29.9	344.6
1978	30.8	30.5	35.1	34.1	36.3	35.3	27.7	27.1	25.2	31.4	32.0	36.1	381.6
1979	39.1	34.2	36.7	36.2	38.2	36.2	33.7	30.6	30.4	32.9	33.9	37.1	419.3
1980	38.8	37.9	39.3	38.6	41.3	40.4	36.1	33.5	32.5	37.2	36.1	41.7	453.5

MINNESOTA AVERAGE MILK COWS, AVERAGE OUTPUT PER COW, AND TOTAL OUTPUT BY COUNTY

District, County and County Rank in 1980 Production ()	Milk cows on farms		Production per cow		Total production	
	1979	1980	1979	1980	1979	1980
	Number		Thousand lbs.		Thousand lbs.	
Northwest Dist. 1						
Becker (26)	11,800	12,000	11.1	10.9	131,000	131,000
Clay (55)	3,800	4,000	11.1	11.0	42,000	44,000
Clearwater (63)	3,800	3,700	10.0	10.0	38,000	37,000
Kittson (82)	800	700	10.0	11.4	8,000	8,000
Mahnomen (67)	2,800	3,000	10.0	11.0	28,000	33,000
Marshall (71)	3,300	3,000	10.0	10.0	33,000	30,000
Norman (60)	3,700	3,800	10.8	11.1	40,000	42,000
Pennington (69)	2,800	3,100	10.0	10.3	28,000	32,000
Polk (40)	7,000	7,000	10.3	10.4	72,000	73,000
Red Lake (70)	3,100	3,300	9.7	9.7	30,000	32,000
Roseau (48)	4,600	4,800	10.9	11.3	50,000	54,000
Total	47,500	48,400	10.5	10.7	500,000	516,000
North Cent. Dist. 2						
Beltrami (62)	3,500	3,800	9.4	10.0	33,000	38,000
Cass (66)	3,400	3,700	8.5	9.5	29,000	35,000
Hubbard (78)	2,000	2,000	9.5	10.0	19,000	20,000
Itasca (80)	1,300	1,400	9.2	10.0	12,000	14,000
Koochiching (84)	300	300	10.0	10.0	3,000	3,000
Lake of the Woods (83)	500	400	10.0	10.0	5,000	4,000
Total	11,000	11,600	9.2	9.8	101,000	114,000
Northeast Dist. 3						
Cook	0	0	0.0	0.0	0	0
Lake	0	0	0.0	0.0	0	0
St. Louis (68)	3,500	3,700	8.3	8.9	29,000	33,000
Total	3,500	3,700	8.3	8.9	29,000	33,000
West Cent. Dist. 4						
Big Stone (73)	2,400	2,500	10.4	10.8	25,000	27,000
Chippewa (75)	2,600	2,400	11.2	10.4	29,000	25,000
Douglas (13)	19,100	18,900	11.5	10.8	220,000	204,000
Grant (58)	3,600	3,900	10.6	11.0	38,000	43,000
Lac Qui Parle (56)	3,300	4,200	10.3	10.5	34,000	44,000
Otter Tail (2)	43,600	44,400	10.9	11.3	475,000	502,000
Pope (22)	11,200	12,600	11.5	11.3	129,000	142,000
Stevens (76)	2,000	2,000	11.0	11.0	22,000	22,000
Swift (49)	4,500	5,000	10.4	10.6	47,000	53,000
Traverse (81)	1,200	1,000	10.8	11.0	13,000	11,000
Wilkin (79)	1,900	1,900	10.0	10.5	19,000	20,000
Yellow Medicine (59)	4,000	3,800	10.5	11.3	42,000	43,000
Total	99,400	102,600	11.0	11.1	1,093,000	1,136,000
Central Dist. 5						
Benton (16)	18,100	17,500	11.0	10.8	199,000	189,000
Carver (9)	22,400	23,300	11.5	11.0	258,000	256,000
Kandiyohi (21)	11,400	13,000	11.8	11.8	135,000	153,000
McLeod (11)	20,500	22,800	11.0	10.5	226,000	239,000
Meeker (17)	16,000	16,200	11.5	11.4	184,000	185,000
Morrison (3)	34,300	34,000	10.7	11.2	367,000	381,000
Renville (43)	4,900	5,600	11.6	11.6	57,000	65,000
Scott (25)	11,700	12,000	11.3	11.0	132,000	132,000
Sherburne (61)	4,000	3,800	11.5	11.1	46,000	42,000
Sibley (18)	16,000	16,500	11.3	11.1	181,000	183,000
Stearns (1)	70,200	71,300	11.1	11.3	779,000	806,000
Todd (4)	33,400	33,600	11.0	11.2	367,000	376,000
Wadena (35)	8,900	8,300	9.6	10.0	85,000	83,000
Wright (8)	23,300	24,200	11.5	11.6	268,000	281,000
Total	295,100	302,100	11.1	11.2	3,284,000	3,371,000

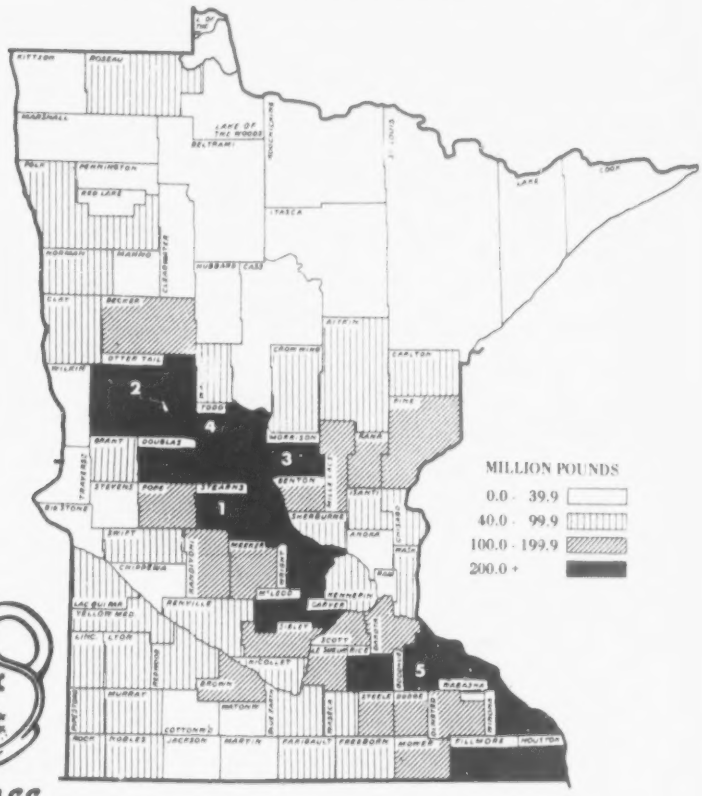
MINNESOTA AVERAGE MILK COWS, AVERAGE OUPUT PER COW, AND TOTAL OUTPUT BY COUNTY (CONTINUED)

District, County and County Rank in 1980 Production ()	Milk cows on farms		Production per cow		Total production	
	1979	1980	1979	1980	1979	1980
	Number		Thousand lbs.		Thousand lbs.	
East Cent. Dist. 6						
Aitkin (46)	4,800	5,000	10.4	11.2	50,000	56,000
Anoka (77)	1,800	1,800	11.1	11.7	20,000	21,000
Carlton (42)	5,700	6,100	10.4	11.0	59,000	67,000
Chisago (34)	7,500	7,900	10.5	11.0	79,000	87,000
Crow Wing (54)	4,700	4,700	9.6	9.8	45,000	46,000
Hennepin (36)	7,900	7,400	11.0	11.1	87,000	82,000
Isanti (44)	5,800	5,500	10.7	11.1	62,000	61,000
Kanabec (30)	8,900	9,400	10.2	11.0	91,000	103,000
Mille Lacs (19)	13,800	14,600	10.9	11.2	150,000	164,000
Pine (20)	13,900	14,000	10.8	11.6	150,000	162,000
Ramsey ( )	0	0	0.0	0.0	0	0
Washington (51)	4,800	4,400	11.0	11.4	53,000	50,000
Total	79,600	80,800	10.6	11.1	846,000	899,000
Southwest Dist. 7						
Cottonwood (64)	3,200	3,700	10.6	10.0	34,000	37,000
Jackson (72)	2,700	2,900	10.4	10.0	28,000	29,000
Lincoln (45)	5,400	5,900	10.0	9.8	54,000	58,000
Lyon (53)	5,400	5,200	10.0	9.4	54,000	49,000
Murray (37)	7,200	8,000	10.3	10.3	74,000	82,000
Nobles (41)	6,300	6,500	10.0	10.8	63,000	70,000
Pipestone (39)	7,800	7,800	10.4	9.7	81,000	76,000
Redwood (47)	5,500	5,200	10.5	10.6	58,000	55,000
Rock (50)	5,800	5,800	9.5	9.1	55,000	53,000
Total	49,300	51,000	10.2	10.0	501,000	509,000
South Cent. Dist. 8						
Blue Earth (57)	4,100	4,000	10.0	11.0	41,000	44,000
Brown (23)	10,600	11,600	11.3	11.6	120,000	135,000
Faribault (52)	4,300	4,400	10.5	11.4	45,000	50,000
Freeborn (33)	8,700	8,800	10.3	10.2	90,000	90,000
LeSueur (31)	8,400	8,900	11.9	11.2	100,000	100,000
Martin (65)	3,200	3,600	10.3	10.0	33,000	36,000
Nicollet (32)	8,600	8,900	10.7	10.7	92,000	95,000
Rice (12)	18,400	19,300	10.6	10.7	195,000	207,000
Steele (27)	11,600	11,800	11.0	10.9	128,000	129,000
Waseca (38)	6,300	7,400	11.0	10.8	69,000	80,000
Watonwan (74)	2,400	2,700	10.8	10.0	26,000	27,000
Total	86,600	91,400	10.8	10.9	939,000	993,000
Southeast Dist. 9						
Dakota (28)	9,400	9,700	12.2	12.1	115,000	117,000
Dodge (24)	12,300	12,600	10.4	10.7	128,000	135,000
Fillmore (7)	27,300	26,000	10.4	11.7	284,000	304,000
Goodhue (5)	29,800	29,800	11.2	11.8	334,000	351,000
Houston (14)	17,600	17,600	10.5	11.5	185,000	202,000
Mower (29)	9,900	9,200	10.4	11.6	103,000	107,000
Olmsted (15)	17,100	17,100	11.0	11.2	188,000	192,000
Wabasha (10)	20,400	20,600	11.0	11.9	224,000	245,000
Winona (6)	27,200	27,800	10.7	11.2	291,000	311,000
Total	171,000	170,400	10.8	11.5	1,852,000	1,964,000
STATE TOTAL	843,000	862,000	10.8	11.1	9,145,000	9,535,000

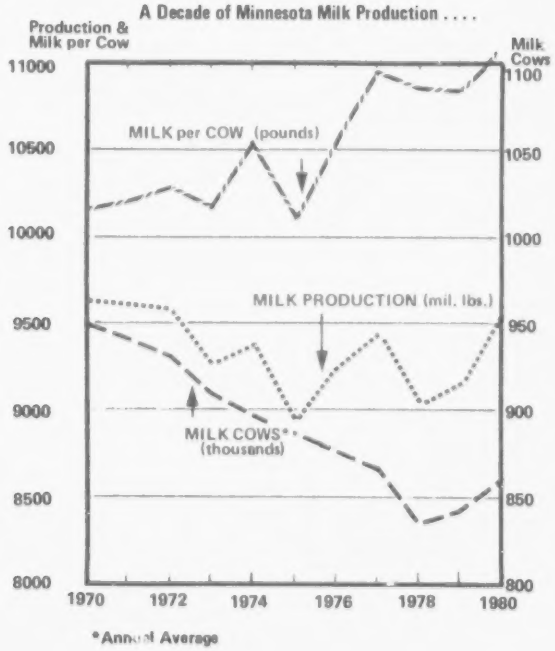
NOTE: Due to a reduction in Minnesota Department of Agriculture funds, dairy county estimates -- as well as other livestock and poultry estimates -- will be discontinued. These estimates may be resumed if funding permits. Your comments are invited.

Photo Courtesy THE LAND Magazine, Mankato, Minn.

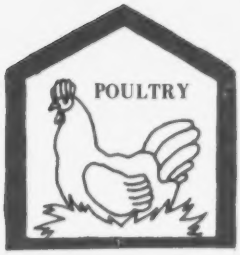
GEOGRAPHIC DISTRIBUTION OF MILK PRODUCTION, MINNESOTA, 1980



A Decade of Minnesota Milk Production . . . .



*Annual Average

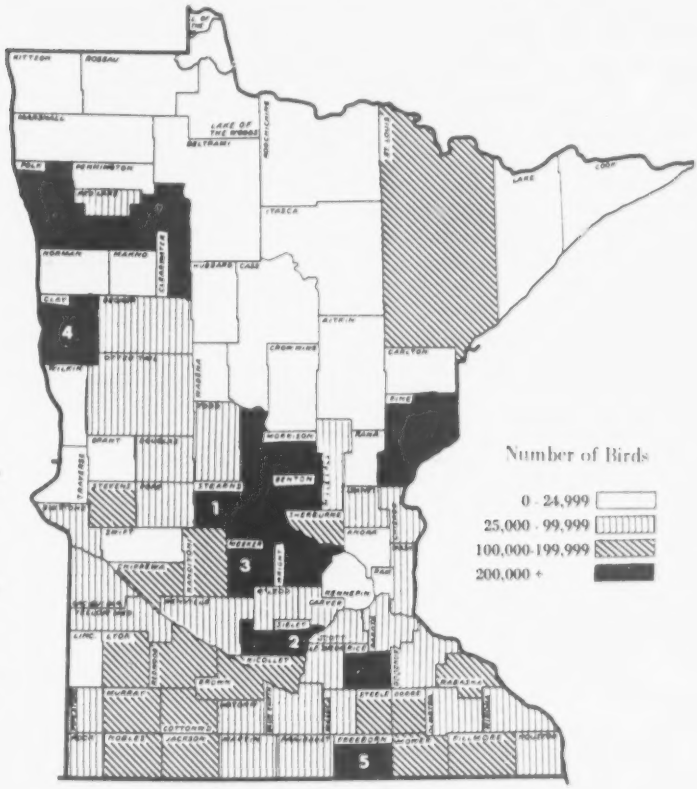


In 1980, Minnesota led the nation in turkey production with a record 25.5 million birds raised, a 3% increase from 1979. The state's December 1, 1980 turkey breeder hen flock declined 1% from 1979 to 625,000. The combined total of Minnesota-Wisconsin turkey poults hatched increased 4% from 1979, heavy breeds increased 3% and light breeds increased 8%. The 1980 gross income from turkey production increased slightly however the annual average price was unchanged from 1979.

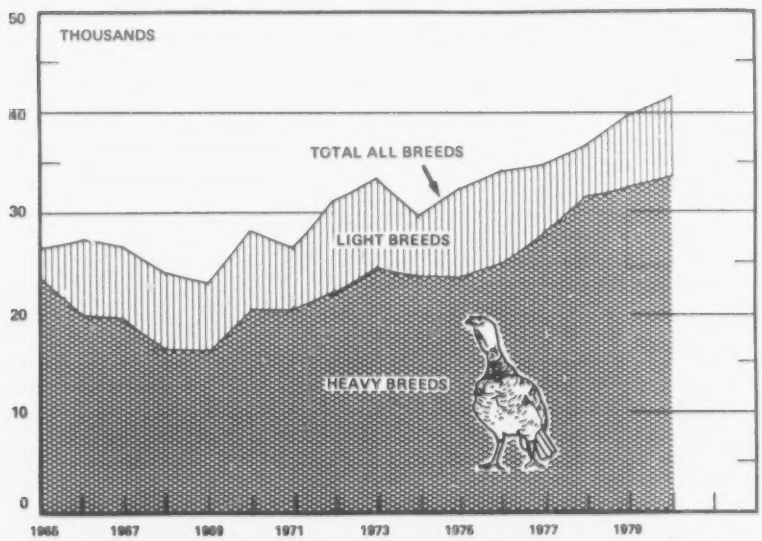
Egg production increased slightly in 1980 with Minnesota in 11th place nationally. The average annual number of layers on farms and production per layer increased slightly. Cash receipts from egg sales declined 7% in 1980 whereas the sale of farm chickens and broilers increased 15%. The total chicken inventory (excluding commercial broilers) on December 1, 1980 was up 4% from 1979. The number of chickens raised on farms decreased 6% from last year whereas commercial broilers raised increased 14%.

Hatchery production of egg-type chicks decreased while broiler-types increased in 1980. These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.

GEOGRAPHIC DISTRIBUTION OF HENS AND PULLETS OF LAYING AGE, MINNESOTA, DECEMBER 1, 1980



Minnesota-Wisconsin Turkey Poults Hatched



MINNESOTA POULTRY

Year	Chickens on farms Dec. 1		Chickens raised		Eggs produced	Hatchery production of chicks	Turkey breeder hens on farms Dec. 1 1/	Turkeys raised	Cash receipts from farm sales		Gross income from turkeys
	All	Hens and pullets	Farm	Commercial broilers					Chickens including broilers	Eggs	
	Thousands		Thousands		Mil.	Thousands			1,000 dols.		1,000 dols.
1976	11,680	11,560	8,496	15,200	2,238	38,136	480	24,370	18,764	80,627	117,183
1977	12,410	12,280	9,877	14,200	2,120	37,146	480	22,739	17,620	77,700	125,315
1978	11,920	11,805	9,089	15,100	2,189	41,946	593	21,238	20,642	75,011	154,885
1979	12,500	12,375	10,061	17,000	2,183	47,304	633	24,666	24,038	88,945	165,756
1980	13,000	12,870	9,435	19,400	2,223	44,758	625	25,500	27,652	82,579	167,790

1/ Breeder hen inventories reflect the number producing eggs during the following season.

MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS 1/
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1976	10.0	9.9	9.7	9.7	9.7	9.7	9.1	8.7	8.6	8.7	8.9	9.2	9.4
1977	9.2	9.1	8.9	8.9	8.9	8.8	8.6	8.6	8.6	8.8	9.2	9.4	8.9
1978	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.9	8.9	8.9	9.1	9.4	9.0
1979	9.4	9.2	9.0	9.1	9.0	8.9	8.8	8.7	9.0	9.2	9.3	9.2	9.1
1980	8.8	8.9	9.0	9.1	9.1	9.1	9.2	9.3	9.4	9.6	9.8	9.8	9.2

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH 1/

1976	19.9	19.1	20.5	20.1	20.9	19.9	19.9	19.7	19.4	20.2	19.5	20.2	238
1977	20.4	18.5	20.6	20.0	20.5	19.7	20.2	19.9	19.4	20.0	19.6	20.9	239
1978	20.8	18.7	21.1	20.8	21.5	20.3	20.5	20.2	19.3	19.5	19.1	20.2	243
1979	20.2	18.5	20.8	20.3	21.2	20.0	20.0	20.3	19.7	20.1	19.7	20.8	241
1980	20.9	19.1	20.6	20.0	20.4	19.6	20.0	20.3	19.9	20.3	20.0	21.2	242

EGGS: PRODUCTION ON FARMS 1/ 2/
(Million eggs)

1976	200	190	200	194	202	192	181	170	166	175	174	185	2,238
1977	188	167	183	177	182	172	173	170	167	176	180	196	2,120
1978	191	171	192	187	193	180	182	179	170	174	174	190	2,189
1979	190	169	187	184	189	177	176	176	177	185	183	191	2,183
1980	184	170	185	181	186	178	183	188	187	194	196	208	2,223

--Continued

MINNESOTA MONTHLY POULTRY PRODUCTION (continued)

CHICKENS: HATCHERY PRODUCTION
Egg Type (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1976	1,184	1,331	2,419	2,566	2,527	2,221	1,531	1,410	2,025	1,622	1,885	1,775	22,496
1977	1,800	1,659	1,509	2,424	2,808	2,491	1,391	774	1,494	1,648	1,803	1,747	21,548
1978	1,292	1,758	1,825	2,802	2,651	2,806	1,797	2,068	1,966	2,062	2,187	1,963	25,177
1979	2,161	2,176	2,352	2,672	3,233	2,667	2,323	2,261	1,897	1,803	2,063	2,218	27,826
1980	1,488	2,521	2,085	2,644	2,593	2,155	2,122	1,986	1,451	1,402	1,177	1,492	23,116

CHICKENS: HATCHERY PRODUCTION
Broiler Type (Thousands)

1976	851	1,094	1,211	1,861	2,602	1,499	1,048	1,325	1,186	848	1,151	964	15,640
1977	945	1,223	1,254	1,850	2,338	1,374	1,107	1,272	1,001	1,030	1,167	1,037	15,598
1978	999	1,243	1,283	1,843	2,546	1,661	1,314	1,372	1,011	1,099	1,362	1,036	16,769
1979	1,025	1,324	1,459	2,264	3,019	1,958	1,301	1,779	1,240	1,263	1,472	1,374	19,478
1980	1,332	1,798	1,792	2,588	3,123	2,029	1,458	1,706	1,372	1,285	1,708	1,451	21,642

TURKEYS: HATCHERY PRODUCTION OF POULTS [3/]
Heavy Breeds (Thousands)

1976	1,136	2,623	3,594	3,954	4,150	3,770	2,614	1,322	657	332	343	477	25,022
1977	1,323	2,268	3,790	4,149	4,549	3,954	3,029	1,676	925	619	531	1,115	27,928
1978	1,858	2,621	4,153	4,223	4,950	4,486	3,471	2,009	1,109	826	719	1,140	31,565
1979	2,283	3,043	4,064	4,663	4,871	4,223	3,255	1,868	1,021	955	1,011	1,405	32,662
1980	2,353	3,052	3,990	4,358	4,624	4,442	3,455	2,290	1,305	1,277	1,207	1,373	33,726

TURKEYS: HATCHERY PRODUCTION OF POULTS [3/]
Light Breeds (Thousands)

1976	866	658	952	875	949	968	1,110	715	230	451	643	713	9,130
1977	690	628	703	704	766	740	782	551	131	421	357	452	6,925
1978	247	341	359	460	497	449	464	471	299	398	503	510	4,998
1979	305	483	551	642	730	732	672	590	558	614	620	708	7,205
1980	682	639	573	655	601	686	849	745	352	675	622	686	7,765

TURKEYS: HATCHERY PRODUCTION OF POULTS [3/]
All Breeds (Thousands)

1976	2,002	3,281	4,546	4,829	5,099	4,738	3,724	2,037	887	833	986	1,190	34,152
1977	2,013	2,896	4,493	4,853	5,315	4,694	3,811	2,227	1,056	1,040	888	1,567	34,853
1978	2,105	2,962	4,512	4,683	5,447	4,935	3,935	2,480	1,408	1,224	1,222	1,650	36,563
1979	2,588	3,526	4,615	5,305	5,601	4,955	3,927	2,458	1,579	1,569	1,631	2,113	39,867
1980	3,035	3,691	4,563	5,013	5,225	5,128	4,304	3,035	1,657	1,952	1,829	2,059	41,491

1/ Annual data represents December previous year to November current year.
2/ Based on unrounded number layers and eggs per layer.
3/ Combined Minnesota-Wisconsin totals.

MINNESOTA CHICKENS AND EGGS, BY COUNTY

District and county	Hens and pullets		Rate of lay		Egg production	
	1979	1980	1979	1980	1979	1980
	Number		Number		Thousand	
Northwest Dist. 1						
Becker	50,000	40,000	--	--	12,100	9,700
Clay	500,000	475,000	--	--	120,600	115,000
Clearwater	400,000	411,000	--	--	96,500	99,500
Kittson	4,000	4,000	--	--	1,000	1,000
Mahnomen	18,000	17,000	--	--	4,300	4,100
Marshall	10,000	9,000	--	--	2,400	2,200
Norman	23,000	20,000	--	--	5,600	4,800
Pennington	10,000	11,000	--	--	2,400	2,600
Polk	240,000	225,000	--	--	57,900	54,400
Red Lake	65,000	55,000	--	--	15,700	13,300
Roseau	5,000	6,000	--	--	1,200	1,400
Total	1,325,000	1,273,000	241	242	319,700	308,000
North Cent Dist. 2						
Beltrami	8,000	6,000	--	--	1,700	1,300
Cass	6,000	5,000	--	--	1,300	1,100
Hubbard	14,000	11,000	--	--	3,000	2,300
Itasca	12,000	10,000	--	--	2,600	2,100
Koochiching	17,000	14,000	--	--	3,600	3,000
Lake of the Woods	2,000	2,000	--	--	400	400
Total	59,000	48,000	214	213	12,600	10,200
Northeast Dist. 3						
Cook	0	0	--	--	0	0
Lake	4,000	3,000	--	--	900	600
St. Louis	165,000	147,000	--	--	34,900	31,500
Total	169,000	150,000	212	214	35,800	32,100
West Cent. Dist 4						
Big Stone	30,000	25,000	--	--	7,200	6,000
Chippewa	130,000	125,000	--	--	31,400	30,100
Douglas	23,000	28,000	--	--	5,500	6,800
Grant	10,000	10,000	--	--	2,400	2,400
Lac Qui Parle	65,000	60,000	--	--	15,700	14,500
Otter Tail	62,000	67,000	--	--	15,000	16,100
Pope	42,000	42,000	--	--	10,100	10,100
Stevens	95,000	110,000	--	--	22,900	26,500
Swift	17,000	19,000	--	--	4,100	4,600
Traverse	17,000	17,000	--	--	4,100	4,100
Wilkin	20,000	20,000	--	--	4,800	4,800
Yellow Medicine	62,000	55,000	--	--	15,000	13,300
Total	573,000	578,000	241	241	138,200	139,300
Central Dist. 5						
Benton	255,000	265,000	--	--	61,500	64,400
Carver	70,000	75,000	--	--	16,900	18,200
Kandiyohi	125,000	150,000	--	--	30,200	36,400
McLeod	80,000	85,000	--	--	19,300	20,700
Meeker	470,000	505,000	--	--	113,400	122,700
Morrison	330,000	380,000	--	--	79,600	92,300
Renville	110,000	90,000	--	--	26,500	21,900
Scott	30,000	32,000	--	--	7,200	7,800
Sherburne	135,000	150,000	--	--	32,600	36,400
Sibley	620,000	635,000	--	--	149,600	154,300
Stearns	670,000	650,000	--	--	161,600	157,900
Todd	60,000	50,000	--	--	14,500	12,200
Wadena	23,000	23,000	--	--	5,500	5,600
Wright	300,000	290,000	--	--	72,400	70,500
Total	3,278,000	3,380,000	241	243	790,800	821,300

MINNESOTA CHICKENS AND EGGS, BY COUNTY (CONTINUED)

District and county	Hens and pullets		Rate of lay		Egg production	
	1979	1980	1979	1980	1979	1980
	Number		Number		Thousand	
East Cent. Dist. 6						
Aitkin	22,000	20,000	--	--	5,100	4,700
Anoka	16,000	14,000	--	--	3,700	3,200
Carlton	3,000	3,000	--	--	700	700
Chisago	55,000	59,000	--	--	12,800	13,700
Crow Wing	15,000	14,000	--	--	3,500	3,200
Hennepin	22,000	21,000	--	--	5,100	4,900
Isanti	55,000	45,000	--	--	12,800	10,400
Kanabec	7,000	7,000	--	--	1,600	1,600
Mille Lacs	35,000	30,000	--	--	8,200	7,000
Pine	340,000	360,000	--	--	79,600	83,500
Ramsey	1,000	1,000	--	--	200	200
Washington	42,000	43,000	--	--	9,800	10,000
Total	613,000	617,000	233	232	143,100	143,100
Southwest Dist. 7						
Cottonwood	170,000	180,000	--	--	41,100	43,600
Jackson	115,000	130,000	--	--	27,900	31,500
Lincoln	22,000	20,000	--	--	5,300	4,800
Lyon	140,000	150,000	--	--	33,900	36,300
Murray	120,000	125,000	--	--	29,100	30,300
Nobles	140,000	155,000	--	--	33,900	37,500
Pipestone	28,000	25,000	--	--	6,800	6,000
Redwood	160,000	140,000	--	--	38,800	33,900
Rock	75,000	55,000	--	--	18,200	13,300
Total	970,000	980,000	242	242	235,000	237,200
South Cent. Dist. 8						
Blue Earth	38,000	39,000	--	--	9,200	9,500
Brown	145,000	155,000	--	--	35,100	37,700
Faribault	83,000	78,000	--	--	20,100	19,000
Freeborn	400,000	415,000	--	--	97,000	100,800
LeSueur	40,000	47,000	--	--	9,700	11,400
Martin	75,000	90,000	--	--	18,200	21,900
Nicollet	155,000	145,000	--	--	37,500	35,200
Rice	200,000	215,000	--	--	48,400	52,200
Steele	130,000	145,000	--	--	31,500	35,200
Waseca	28,000	30,000	--	--	6,800	7,300
Watonwan	65,000	60,000	--	--	15,700	14,600
Total	1,359,000	1,419,000	242	243	329,200	344,800
Southeast Dist. 9						
Dakota	50,000	56,000	--	--	12,500	14,000
Dodge	100,000	110,000	--	--	24,900	27,400
Fillmore	120,000	135,000	--	--	29,900	33,600
Goodhue	80,000	75,000	--	--	19,900	18,700
Houston	45,000	50,000	--	--	11,200	12,400
Mower	120,000	128,000	--	--	29,900	31,900
Olmsted	30,000	33,000	--	--	7,500	8,200
Wabasha	135,000	125,000	--	--	33,600	31,100
Winona	37,000	39,000	--	--	9,200	9,700
Total	717,000	751,000	249	249	178,600	187,000
STATE TOTAL	9,063,000	9,196,000	241	242	2,183,000	2,223,000

NOTE: Due to a reduction in Minnesota Department of Agriculture funds, poultry county estimates -- as well as other livestock county estimates will be discontinued. These estimates may be resumed if funding permits. Your comments are invited.

Prices

These published prices represent the average received by farmers for all grades, weights, and classes. The tables provide a historical view of seasonal and monthly average prices. The season average price represents the average price received by Minnesota farmers during the marketing year. To calculate the season average price, the monthly prices are weighted by estimated percentages of sales made each month during the marketing season.

CROP PRICES

The primary sources of the crop prices listed in the following tables are elevators and dealers which buy directly from farmers. The marketing year for different crops can be found in the footnotes following the tables.

The largest increase in prices were those received for potatoes. The season average price for 1980 is more than twice that received for the 1979 crop and the highest on record. This was brought about by reduced supplies for nearly all states. Prices received for corn and oats are also the highest on record while wheat and barley prices are the highest since 1974. No prices were below 1979.

Table 51 -- Minnesota Monthly Prices Received by Farmers for Crops

CORN 1/
(Dollars per bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1976	2.32	2.38	2.42	2.40	2.55	2.70	2.75	2.60	2.63	2.34	2.10	2.27	2.03
1977	2.33	2.34	2.33	2.30	2.23	2.09	1.81	1.57	1.53	1.62	1.80	1.85	1.90
1978	1.80	1.86	1.97	2.12	2.18	2.16	2.00	1.84	1.78	1.76	1.83	1.89	2.08
1979	1.88	1.93	1.97	2.06	2.19	2.31	2.43	2.25	2.24	2.10	1.90	2.03	2.26
1980	2.04	2.04	2.06	2.13	2.21	2.29	2.47	2.68	2.74	2.77	2.86	2.99	3.05
SOYBEANS 2/ (Dollars per bushel)													
1976	4.28	4.35	4.37	4.41	4.79	6.17	6.68	6.01	6.68	5.87	6.08	6.51	7.22
1977	6.70	6.96	7.99	9.11	9.19	8.29	6.60	5.40	5.01	5.36	5.56	5.60	5.90
1978	5.43	5.30	6.07	6.53	6.61	6.45	6.29	6.09	6.03	6.04	6.14	6.26	6.52
1979	6.42	6.80	6.96	6.86	6.91	7.18	7.16	6.74	6.47	6.14	6.11	5.85	6.00
1980	5.87	5.83	5.41	5.41	5.53	5.80	6.46	6.95	7.24	7.33	8.05	7.44	7.10
SUNFLOWERS 2/ (Dollars per 100 pounds)													
1976													10.80
1977													10.10
1978													11.50
1979										10.00	9.74	9.89	9.59
1980	8.81	8.34	7.85	7.86	8.19	8.52	10.00	10.60	10.30	10.50	10.90	11.30	10.80
ALL WHEAT 3/ (Dollars per bushel)													
1976	3.65	3.85	3.81	3.69	3.62	3.89	3.84	3.29	3.08	2.81	2.66	2.62	2.74
1977	2.58	2.67	2.68	2.61	2.47	2.28	2.22	2.17	2.37	2.49	2.57	2.57	2.47
1978	2.58	2.54	2.66	2.83	2.86	2.82	2.77	2.80	2.82	2.93	2.96	2.90	2.96
1979	2.84	2.86	2.88	2.97	3.25	3.64	3.92	3.81	3.71	3.88	3.82	3.64	3.71
1980	3.60	3.60	3.60	3.82	3.84	3.89	4.17	4.07	3.95	4.08	4.31	4.24	4.16
OATS 3/ (Dollars per bushel)													
1976	1.43	1.44	1.45	1.42	1.46	1.67	1.68	1.48	1.50	1.43	1.43	1.49	1.55
1977	1.58	1.59	1.63	1.67	1.50	1.24	.95	.83	.89	1.00	1.11	1.13	1.01
1978	1.12	1.09	1.10	1.15	1.22	1.13	1.02	1.02	1.04	1.06	1.11	1.14	1.12
1979	1.20	1.20	1.22	1.23	1.25	1.32	1.33	1.14	1.19	1.26	1.26	1.19	1.26
1980	1.33	1.24	1.24	1.35	1.38	1.40	1.45	1.39	1.57	1.67	1.82	1.83	1.75

1/ Marketing year, October through September.
2/ Marketing year, September through August.
3/ Marketing year, July through June.
NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS (continued)

BARLEY 3/
(Dollars per bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1976	2.44	2.42	2.48	2.47	2.53	2.79	2.79	2.69	2.77	2.59	2.44	2.37	2.35
1977	2.30	2.22	2.29	2.25	2.20	1.79	1.41	1.35	1.50	1.75	1.81	1.81	1.63
1978	1.73	1.81	1.86	1.92	2.00	1.93	1.65	1.64	1.71	1.87	1.93	1.96	1.87
1979	1.87	1.85	1.92	2.04	2.16	2.21	2.28	2.12	2.32	2.29	2.37	2.24	2.15
1980	2.04	2.11	2.14	2.05	2.10	2.29	2.60	2.56	2.75	2.87	2.98	3.01	2.95

ALL HAY, BALED 1/
(Dollars per ton)

1976	50.50	52.00	48.50	43.00	43.00	68.50	62.00	61.00	65.00	68.00	70.00	74.50	70.50
1977	76.00	76.00	80.00	75.50	70.50	59.00	55.00	49.00	43.00	45.00	46.50	44.00	47.50
1978	42.00	43.50	42.50	43.00	47.00	42.00	44.50	44.50	43.50	39.50	41.00	41.00	41.00
1979	39.50	39.50	39.50	40.50	42.00	34.50	36.50	33.50	35.50	37.00	37.50	39.50	36.50
1980	36.50	37.00	36.00	36.00	40.50	51.50	56.00	72.50	59.50	70.00	70.50	75.50	67.50

ALFALFA HAY, BALED 1/
(Dollars per ton)

1976	53.50	55.00	51.50	46.00	46.00	73.00	66.00	64.00	68.50	72.00	74.00	78.50	2/
1977	80.00	80.00	84.00	79.50	74.00	62.00	58.00	52.50	45.00	47.00	49.00	46.50	2/
1978	45.00	46.00	45.00	45.50	50.00	44.50	47.00	47.00	45.50	41.50	43.50	43.50	2/
1979	42.00	42.00	42.00	43.00	44.50	36.00	37.00	34.50	36.50	38.50	40.50	40.50	2/
1980	38.00	39.00	37.00	38.00	41.50	56.00	58.50	75.00	63.00	74.00	83.00	84.50	2/

ALL OTHER HAY, BALED 1/
(Dollars per ton)

1976	39.00	41.00	38.00	31.50	31.50	52.00	48.00	49.00	49.00	53.00	55.50	60.00	2/
1977	60.00	60.00	65.00	61.00	58.50	48.50	44.50	35.00	34.50	36.50	36.50	35.00	2/
1978	31.00	33.50	33.00	33.50	36.50	33.00	35.50	34.00	35.00	31.50	31.50	31.00	2/
1979	30.00	31.00	30.00	31.50	32.00	26.00	31.50	28.00	27.00	27.50	28.00	31.50	2/
1980	30.00	28.00	29.00	26.00	32.00	38.00	47.50	58.50	50.00	48.00	51.50	52.00	2/

FLAXSEED 3/
(Dollars per bushel)

1976	5.36	5.84	5.67	5.90	6.12	6.67	7.28	7.07	7.53	7.16	7.32	7.06	7.33
1977	7.07	7.22	7.44	7.32	7.48	7.13	4.84	3.90	3.95	4.34	3.99	4.30	4.56
1978	4.05	4.06	4.31	4.83	5.44	5.97	5.36	5.29	5.31	5.21	5.32	5.36	5.70
1979	5.80	6.03	6.77	7.00	6.89	7.24	6.82	6.52	6.42	5.54	5.57	5.57	6.02
1980	5.39	5.83	5.94	5.40	5.94	6.07	6.80	7.10	7.13	6.88	7.14	7.56	7.15

POTATOES 3/
(Dollars per 100 pounds)

1976	3.80	4.70	4.95	5.00	4.70	4.35	5.00	4.13	2.65	2.58	2.75	2.60	3.23
1977	2.85	3.80	3.90	4.40	4.90	5.50	5.50	2.82	2.73	2.55	2.65	2.60	2.77
1978	2.65	2.75	2.75	2.90	2.95	2.90	6.00	5.12	3.47	2.40	2.60	2.75	2.95
1979	2.93	2.81	2.70	2.75	3.00	3.00	5.00	4.10	2.72	2.82	2.64	2.80	3.11
1980	3.50	3.30	3.15	3.00	3.30	3.50	3.60	9.90	5.90	5.35	5.65	6.90	6.65

1/ Marketing year, June through May.
2/ Not available.
3/ Marketing year, July through June.
NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

Livestock Prices

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, the South St. Paul market, produce houses, egg handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers.

The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

The average 1980 prices for livestock commodities declined from 1979 prices. Prices increased for wool while prices for replacement milk cows reached record levels during 1980. The largest price declines occurred for sheep, cows and hogs. The 1980 annual average egg price was also lower than 1979. Prices during the first few months of 1981 were lower than 1980 while prices for replacement milk cows, hogs, and eggs increased from the previous year. Milk prices during the first few months of 1981 were higher than 1980.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE [1/]
(Dollars per 100 pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	31.10	31.40	32.00	36.20	36.10	34.30	31.50	31.70	30.40	28.90	28.10	29.40	31.60
1977	29.80	30.60	31.00	32.20	33.60	32.60	33.20	32.60	32.00	31.10	30.50	30.50	31.60
1978	34.30	37.00	39.30	43.30	46.80	48.20	46.30	44.80	45.50	45.70	44.80	48.20	43.50
1979	54.30	57.60	60.80	65.00	64.50	63.00	60.10	56.50	58.50	55.90	55.40	56.00	58.90
1980	56.10	60.20	57.60	54.10	54.20	55.60	55.40	57.40	58.40	55.20	53.10	51.50	55.70

STEERS AND HEIFERS
(Dollars per 100 pounds)

1976	36.70	35.40	34.40	39.40	39.30	37.00	35.70	35.00	35.50	34.50	36.20	37.70	36.40
1977	35.90	35.70	35.50	36.70	39.40	37.80	38.50	37.60	37.60	38.80	38.70	38.90	37.60
1978	40.20	42.20	44.20	48.30	52.60	54.80	52.00	49.20	51.50	51.90	50.30	52.70	49.10
1979	58.30	62.20	67.00	72.00	70.20	67.20	64.30	60.20	63.00	61.90	62.50	62.60	64.20
1980	62.20	65.20	62.60	58.40	58.30	60.40	62.60	64.50	64.40	61.40	60.70	59.50	61.70

COWS [2/]
(Dollars per 100 pounds)

1976	23.60	26.80	29.10	31.70	31.30	27.70	27.30	26.30	24.40	23.40	21.20	22.00	25.90
1977	24.80	25.80	27.30	28.40	28.40	26.30	27.00	26.10	26.50	24.80	24.70	25.10	26.10
1978	28.50	31.80	34.20	37.10	40.30	39.80	40.10	38.10	39.60	40.60	39.90	42.40	37.50
1979	48.70	51.90	53.20	55.10	57.20	51.20	50.30	48.80	49.60	47.00	45.80	47.60	50.70
1980	48.40	50.40	48.20	46.60	43.00	45.20	44.50	46.40	47.00	45.80	43.40	41.50	45.80

CALVES
(Dollars per 100 pounds)

1976	27.30	28.00	33.80	37.30	38.20	35.00	32.70	34.30	32.30	32.70	32.80	35.10	33.40
1977	36.40	37.20	37.10	39.40	43.80	40.30	39.50	40.30	39.40	38.60	37.40	36.60	38.80
1978	40.00	43.30	47.30	55.90	61.20	61.60	63.40	66.30	67.40	68.00	65.00	68.10	58.20
1979	71.50	79.20	87.20	91.30	95.40	86.40	83.20	78.30	90.00	80.00	77.00	75.30	81.90
1980	84.70	91.30	77.50	75.70	72.20	78.40	79.10	80.50	79.50	72.70	71.50	69.20	78.30

1/ "Cows" and "Steers and Heifers" combined.
2/ Includes beef cows and cull dairy cows sold for slaughter but not dairy cows for herd replacement.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONTINUED)

HOGS 1/
(Dollars per 100 pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	46.30	47.80	45.40	46.40	47.70	48.80	47.00	42.20	39.60	31.80	30.20	35.70	42.60
1977	37.80	39.10	36.80	35.50	41.00	41.70	44.80	42.30	39.60	39.70	36.60	40.90	39.10
1978	44.10	48.20	47.10	45.30	48.70	47.80	45.40	47.40	47.60	51.10	46.90	47.80	46.70
1979	51.10	53.30	50.00	44.30	43.90	39.00	37.10	34.80	36.50	33.10	33.80	37.00	42.00
1980	36.60	37.00	33.90	28.50	28.70	32.60	41.50	46.60	46.30	47.50	45.70	43.80	38.30

SHEEP
(Dollars per 100 pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	13.50	13.50	15.50	17.00	13.20	13.10	13.70	12.50	13.00	12.60	11.10	11.90	13.20
1977	12.50	13.60	15.40	13.80	12.60	12.40	12.30	12.50	15.90	15.20	14.50	18.00	14.30
1978	20.10	17.70	19.30	18.20	18.00	19.60	20.40	21.70	24.90	23.50	22.50	23.70	20.90
1979	27.50	28.90	29.00	28.20	26.00	25.00	23.10	22.90	23.70	21.50	20.40	26.50	24.60
1980	22.60	21.50	21.50	19.50	16.80	15.40	16.30	14.80	15.30	16.10	15.40	19.30	17.00

LAMBS
(Dollars per 100 pounds)

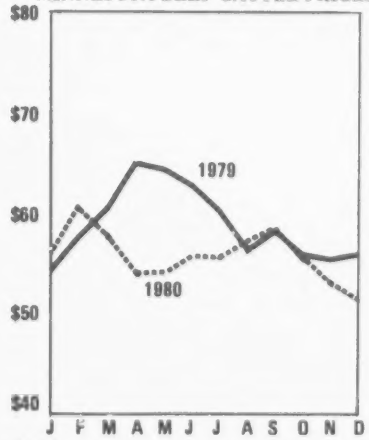
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	47.80	48.10	51.70	55.90	65.40	51.60	48.30	40.50	41.60	41.70	41.70	45.00	46.80
1977	51.10	51.40	47.10	50.20	58.30	53.80	51.90	51.60	54.10	55.50	52.80	57.70	52.70
1978	62.40	66.40	69.90	64.20	69.80	64.10	57.10	57.80	65.00	66.20	61.80	65.10	64.00
1979	78.20	73.50	64.50	69.70	71.30	66.70	63.30	60.00	65.70	64.00	65.40	67.30	66.90
1980	66.10	64.20	66.70	59.80	61.30	65.40	67.20	65.80	66.80	63.60	57.70	55.90	63.20

WOOL
(Cents per pound)

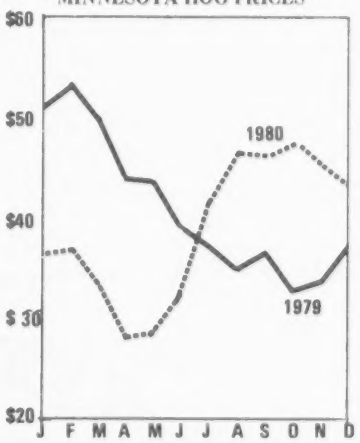
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	37	39	40	45	50	53	55	58	56	60	63	62	50
1977	65	67	67	68	65	65	66	64	65	65	66	67	66
1978	67	67	67	66	66	67	67	66	67	68	69	69	67
1979	69	70	71	72	73	70	66	67	68	68	74	71	71
1980	73	76	79	75	67	67	66	66	67	68	71	72	73

1/ Annual average price is the marketing year average--December previous year through November current year.

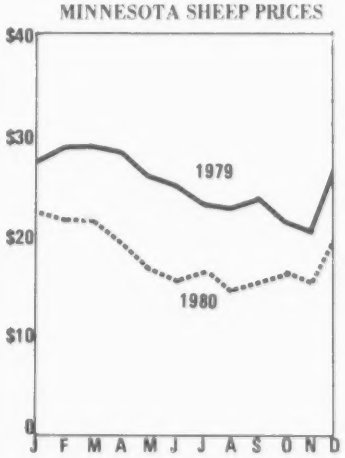
MINNESOTA BEEF CATTLE PRICES 1/



MINNESOTA HOG PRICES



MINNESOTA SHEEP PRICES



1/ "Cows" and "Steers and Heifers" combined.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK COWS AND DAIRY PRODUCTS

MILK COWS[1/]
(Dollars per head)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	445	460	490	510	490	435	430	460	480	470	475	445	466
1977	455	455	475	490	475	460	485	460	485	495	510	515	480
1978	525	530	565	605	620	640	650	655	725	770	780	795	655
1979	860	920	965	995	1,010	980	975	995	1,030	1,020	1,030	1,050	985
1980	1,100	1,120	1,120	1,150	1,170	1,170	1,150	1,150	1,170	1,180	1,200	1,180	1,160

ALL WHOLESALE MILK
(Dollars per 100 pounds)

1976	9.20	8.61	8.78	8.63	8.53	8.43	8.72	8.97	8.75	8.71	8.66	8.57	8.71
1977	8.53	8.45	8.48	8.73	8.71	8.72	8.75	8.82	9.04	9.21	9.26	9.31	8.81
1978	9.28	9.33	9.40	9.48	9.47	9.46	9.54	9.90	10.25	10.71	11.02	11.15	9.86
1979	11.07	10.97	11.00	11.06	11.07	11.01	11.09	11.40	11.71	11.93	12.01	11.98	11.32
1980	11.98	11.95	12.07	12.10	12.04	12.02	12.00	12.21	12.65	13.20	13.36	13.42	12.40

FLUID MARKET WHOLESALE MILK
(Dollars per 100 pounds)

1976	9.55	9.08	9.33	9.05	8.97	8.74	8.97	9.18	9.05	9.11	9.03	8.90	9.08
1977	8.86	8.77	8.75	8.94	8.90	8.94	8.98	9.04	9.30	9.45	9.51	9.57	9.07
1978	9.56	9.61	9.66	9.75	9.76	9.74	9.81	10.14	10.52	10.95	11.30	11.50	10.15
1979	11.44	11.35	11.38	11.41	11.42	11.37	11.49	11.71	12.02	12.23	12.35	12.32	11.69
1980	12.31	12.30	12.42	12.42	12.34	12.30	12.27	12.48	12.93	13.51	13.65	13.71	12.71

MANUFACTURING GRADE WHOLESALE MILK
(Dollars per 100 pounds)

1976	8.91	8.23	8.34	8.32	8.19	8.18	8.52	8.79	8.47	8.32	8.31	8.27	8.40
1977	8.22	8.15	8.22	8.55	8.54	8.52	8.53	8.60	8.78	8.95	8.97	9.02	8.56
1978	8.99	9.05	9.14	9.21	9.19	9.20	9.27	9.64	9.95	10.42	10.68	10.74	9.54
1979	10.67	10.55	10.60	10.69	10.70	10.64	10.68	11.06	11.35	11.54	11.58	11.55	10.92
1980	11.52	11.49	11.60	11.70	11.65	11.66	11.65	11.83	12.26	12.73	12.92	12.98	11.96

1/ Milk cows sold for dairy herd replacement only.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

TURKEYS
(Cents per pound)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	35.0	31.0	32.0	29.0	31.0	30.0	29.0	30.0	29.0	28.0	28.0	30.0	29.5
1977	29.0	29.0	32.0	33.0	33.0	32.0	31.0	32.0	33.0	35.0	37.0	39.0	33.4
1978	37.0	36.0	37.0	36.0	38.0	40.0	40.0	42.0	43.0	45.0	46.0	49.0	42.4
1979	47.0	44.0	42.0	43.0	40.0	37.0	36.0	37.0	37.0	38.0	45.0	46.0	40.0
1980	37.0	35.0	34.0	32.0	31.0	31.0	38.0	40.0	44.0	47.0	48.0	42.0	40.0

EGGS[1/]
(Cents per dozen)

1976	44.3	43.2	40.9	39.4	41.0	39.7	39.7	41.9	47.9	48.3	52.9	56.0	43.7
1977	49.0	52.4	50.4	48.1	40.2	35.1	36.2	41.3	42.5	37.5	41.8	43.3	44.4
1978	38.1	43.0	46.3	43.0	38.3	35.2	39.7	40.4	42.4	42.2	45.5	54.5	41.5
1979	51.8	49.8	55.3	52.7	50.4	47.2	45.4	44.3	47.6	43.1	48.2	53.6	49.3
1980	47.8	38.5	44.4	43.2	35.3	37.6	38.9	47.3	49.1	46.7	54.8	65.7	44.9

1/ Marketing year average -- December previous year through November current year.

MINNESOTA:

THE NATION'S TURKEY "CHAMP"

USDA Photo

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

BRAN
(Dollars per cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	6.90	7.00	7.00	7.00	7.10	7.10	7.30	7.30	7.40	7.50	7.60	7.60	7.23
1977	7.70	7.70	7.80	7.50	7.70	7.60	7.50	7.00	6.50	6.40	6.50	6.90	7.23
1978	7.00	7.10	7.10	7.20	7.00	7.00	6.90	6.70	6.80	6.90	7.40	7.70	7.07
1979	7.90	8.10	8.30	8.40	8.20	8.00	8.40	8.10	8.10	8.40	8.40	8.40	8.23
1980	8.40	8.30	8.30	8.20	8.10	8.00	8.10	8.10	8.20	8.50	9.00	9.40	8.38

MIDDLINGS
(Dollars per cwt.)

1976	6.70	6.90	6.80	6.70	7.00	7.00	7.30	7.10	7.20	7.30	7.30	7.50	7.07
1977	7.50	7.50	7.40	7.40	7.50	7.40	7.30	6.80	6.30	6.00	6.20	6.70	7.00
1978	6.80	6.70	6.80	6.90	6.80	6.70	6.70	6.50	6.50	6.70	7.10	7.40	6.80
1979	7.80	7.90	8.10	8.30	7.90	7.90	8.30	8.00	7.90	8.30	8.30	8.10	8.07
1980	8.20	8.10	8.20	8.00	7.70	7.80	7.40	8.00	8.00	8.10	8.80	8.90	8.10

SOYBEAN MEAL, 44%
(Dollars per cwt.)

1976	7.90	8.00	8.10	8.10	8.90	11.50	12.30	11.00	11.80	10.80	10.80	11.50	10.06
1977	11.90	12.20	13.00	15.00	15.60	14.60	11.90	10.40	9.80	9.40	10.10	10.10	12.00
1978	10.30	9.70	10.40	11.20	11.00	11.20	11.00	10.50	10.70	10.90	11.50	11.60	10.83
1979	11.70	11.90	12.00	12.10	12.10	12.60	13.50	12.40	12.10	12.10	11.60	12.00	12.18
1980	11.60	11.60	11.50	10.50	11.00	11.00	12.00	13.00	13.50	14.50	16.00	15.00	12.60

BEEF CATTLE CONCENTRATE, 32-36%
(Dollars per cwt.)

1976	3.50	8.70	8.40	8.40	8.80	9.80	10.20	9.80	10.10	9.90	10.00	10.00	9.38
1977	10.10	10.30	11.00	11.30	11.50	11.10	9.90	9.10	8.80	8.80	9.40	9.40	10.06
1978	9.50	9.10	9.30	9.70	9.60	9.50	9.70	9.30	9.30	9.80	10.10	10.30	9.60
1979	10.30	10.50	10.70	10.20	10.10	10.60	11.30	10.70	10.80	11.30	10.90	11.50	10.74
1980	11.00	10.90	10.80	10.50	10.50	10.50	11.00	12.00	12.00	12.50	13.50	13.00	11.52

HOG CONCENTRATE, 38-42%
(Dollars per cwt.)

1976	10.10	10.30	10.40	10.30	10.90	13.30	13.90	12.50	13.30	12.50	12.50	13.40	11.95
1977	13.80	13.80	14.60	15.70	16.50	15.60	13.40	12.20	12.00	11.80	12.40	12.30	13.68
1978	12.30	11.80	12.40	13.10	12.80	13.10	13.10	12.60	12.90	13.20	13.60	13.80	12.89
1979	13.70	14.00	14.40	14.40	14.20	14.60	15.60	14.30	14.20	14.50	14.10	14.50	14.38
1980	14.00	14.30	14.30	13.50	14.00	13.40	14.60	15.60	16.30	17.00	18.50	17.60	15.26

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES (continued)

DAIRY FEED, 16%
(Dollars per ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	132	131	131	130	133	141	141	142	147	140	140	140	137
1977	140	146	143	144	154	146	132	116	115	111	119	123	132
1978	125	120	122	126	128	134	129	124	126	128	133	131	127
1979	132	138	137	137	139	144	158	144	147	150	147	154	144
1980	151	146	148	147	154	151	157	169	174	177	188	190	163

DAIRY FEED, 32%
(Dollars per ton)

1976	173	180	179	173	179	205	210	205	215	205	200	210	195
1977	215	220	235	235	260	245	210	194	186	175	194	193	214
1978	199	190	198	205	210	210	205	197	198	205	215	215	204
1979	215	220	230	225	220	230	245	230	230	245	230	240	230
1980	230	235	235	225	235	235	245	275	275	280	305	325	258

LAYING FEED
(Dollars per ton)

1976	153	152	154	151	157	176	177	173	173	166	164	171	164
1977	170	175	176	183	192	182	166	153	150	147	156	158	167
1978	157	156	161	163	175	165	163	156	156	163	160	168	162
1979	167	169	170	173	175	178	186	176	177	178	183	192	177
1980	185	172	171	173	181	182	185	193	210	192	200	215	188

CHICK STARTER
(Dollars per ton)

1976	175	174	175	174	180	198	205	194	199	192	188	199	188
1977	199	200	205	210	215	205	193	175	173	171	180	185	193
1978	185	182	185	193	191	194	194	185	186	190	196	200	190
1979	197	200	205	200	200	205	225	210	210	215	210	215	208
1980	210	205	210	205	210	210	220	230	240	240	250	260	224

BROILER GROWER
(Dollars per ton)

1976	146	144	150	142	150	168	175	160	169	156	152	159	156
1977	154	154	164	173	175	173	153	141	145	145	149	149	156
1978	152	161	155	164	162	164	162	154	151	160	158	168	159
1979	161	163	159	168	173	172	193	169	175	180	179	185	173
1980	180	168	177	181	185	182	191	205	205	220	240	245	198

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES (CONTINUED)

CORN MEAL
(Dollars per cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1976	5.50	5.60	5.50	5.40	5.70	6.00	6.20	6.20	6.10	5.70	5.50	5.40	5.73
1977	5.60	5.60	5.70	5.60	5.40	5.40	5.10	4.60	4.30	4.05	4.30	4.50	5.01
1978	4.60	4.50	4.55	4.90	4.85	4.95	4.90	4.80	4.75	4.70	4.70	4.85	4.75
1979	4.75	4.75	4.80	4.95	5.00	5.30	5.70	5.40	5.40	5.40	5.30	5.50	5.19
1980	5.30	5.30	5.40	5.20	5.50	5.40	5.90	6.00	6.10	5.80	6.30	5.90	5.58

GASOLINE (SERVICE STATION), UNLEADED REGULAR [1/]
(Dollars per gallon)

1976													
1977													
1978	.630	.640	.640	.640	.640	.650	.650	.660	.670	.680	.680	.690	.660
1979	.700	.720	.740	.790	.830	.880	.930	.990	1.01	1.03	1.05	1.07	.890
1980	1.11	1.17	1.23	1.26	1.29	1.29	1.28	1.28	1.27	1.26	1.26	1.27	1.250

LEADED REGULAR GASOLINE, BULK DELIVERY [2/]
(Dollars per gallon)

1976	.541			.530			.560			.570			.580
1977	.560	.570	.570	.580	.590	.590	.590	.590	.600	.590	.590	.590	.610
1978	.590	.590	.590	.590	.600	.610	.610	.620	.630	.630	.630	.640	.610
1979	.650	.670	.690	.730	.760	.820	.860	.920	.940	.960	.980	1.00	.830
1980	1.04	1.10	1.16	1.19	1.22	1.23	1.21	1.21	1.19	1.19	1.20	1.22	1.180

DIESEL FUEL [2/]
(Dollars per gallon)

1976	.398			.388			.398			.410			
1977	.440	.450	.450	.460	.460	.460	.460	.470	.460	.470	.470	.470	.460
1978	.470	.460	.460	.450	.450	.460	.460	.460	.460	.460	.470	.490	.460
1979	.500	.510	.540	.600	.630	.690	.730	.800	.840	.850	.870	.890	.700
1980	.920	.950	.980	.990	1.02	1.02	1.01	.990	1.00	.980	1.01	1.03	.990

LP GAS
(Dollars per gallon)

1976													.355 [3/]
1977	.370	.380	.380	.380	.390	.400	.390	.400	.420	.410	.410	.420	.400
1978	.430	.430	.430	.420	.420	.420	.420	.410	.410	.400	.400	.400	.420
1979	.400	.400	.390	.390	.390	.410	.440	.450	.470	.490	.520	.550	.440
1980	.570	.600	.620	.610	.600	.610	.610	.610	.620	.610	.620	.660	.610

1/ Series began in 1978.
2/ Prior to 1977, surveyed during Jan., Ap July and Oct.
3/ Prior to 1977, based on annual survey made in July and August reporting data from most recent bill, usually purchased during April, May or June.

The suggested custom rates provided by the University of Minnesota's Ag Extension Service in the following table have been calculated by formula from the most recent farm machinery, energy, and labor prices available. Estimated custom rates can provide reasonable estimates as a base for determining a negotiated rate between a purchaser and a supplier of custom services.

Custom rates will vary from area to area and are always a function of the demand for and the supply of those custom services. A more complete listing of machinery may be obtained from Extension Folder 590, University of Minnesota Ag Extension Service, St. Paul, Mn 55108 (phone 612-373-1145).

1981 CUSTOM RATE ESTIMATES FOR MINNESOTA*

Machine	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates per Hour 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
TILLAGE EQUIPMENT:		Dollars					
Plow 3-16	60	6.83	3.91	20.47	11.73	24.32	13.93
Plow 4-16	75	9.40	4.04	28.13	12.10	33.17	14.26
Plow 6-16	120	15.27	4.37	40.85	11.70	47.98	13.74
Plow 8-16	160	20.60	4.43	51.74	11.12	60.95	13.10
Plow 10-18	225	28.55	4.36	72.04	11.01	85.09	13.00
Plow 12-18	275	35.18	4.48	88.15	11.22	105.30	13.41
Chisel Plow 15 Ft.	120	13.79	2.11	36.88	5.63	43.72	6.68
Chisel Plow 20 Ft.	160	18.45	2.11	46.11	5.28	54.35	6.23
Chisel Plow Wing 29	250	29.16	2.23	74.03	5.85	87.64	6.93
Chisel Plow Wing 35	300	32.44	2.12	78.66	5.15	93.46	6.12
Field Cultivator 12	75	8.26	1.36	23.28	3.84	26.87	4.43
Field Cultivator 28	160	18.73	1.38	44.97	3.31	53.96	3.97
Field Cultivator 37	225	25.37	1.41	63.71	3.55	76.47	4.26
Disk 10 Ft.	60	7.16	1.48	23.28	4.80	27.94	5.76
Fisk 20 Ft.	100	13.85	1.43	44.54	4.59	53.44	5.51
Disk 24 Ft.	120	16.78	1.44	53.04	4.56	63.51	5.46
Disk 32 Ft.	160	22.39	1.44	67.16	4.33	80.42	5.18
Disk 40 Ft.	180	25.90	1.34	78.78	4.06	104.54	5.39
Disk Offset 14 Ft.	140	17.36	2.84	48.89	8.00	58.69	9.61
Disk Offset 18 Ft.	180	21.78	2.77	56.58	7.20	67.78	8.63
Disk-Wing Offset 23	225	27.14	2.70	76.66	7.64	91.82	9.15
Landplane 45-12 Ft.	180	19.30	3.02	54.64	8.54	65.57	10.25
Landplane 54-15 Ft.	225	23.50	2.94	75.11	9.39	90.13	11.27
Springtooth Drag 30	60	6.97	.44	38.87	2.43	46.64	2.92
Springtooth Drag 48	75	9.36	.31	55.81	1.84	66.93	2.21
PLANTING EQUIPMENT:							
Corn Planter 4-38	40	8.45	1.75	39.88	8.25	47.86	9.90
Corn Planter 6-30	60	12.50	2.18	54.42	9.50	64.68	11.29
Corn Planter 8-30	75	17.28	2.26	74.57	9.77	89.28	11.69
Min-Til Planter 8-38	75	16.90	2.28	72.56	9.77	92.68	12.48
Min-Til Planter 12-3	120	27.21	3.05	110.32	12.38	158.24	17.76
Min-Til Planter 4-38	40	9.15	2.43	43.52	11.58	49.61	13.20
Min-Til Planter 6-30	60	13.74	3.09	60.93	13.68	68.70	15.42
Min-Til Planter 8-30	75	18.32	3.09	80.03	13.47	89.86	15.13
Potato Planter 4-Row	120	21.24	5.55	81.05	21.16	97.10	25.35
Beet Planter 12-Row	100	14.40	3.09	50.23	10.76	60.27	12.92
Grain Drill Plow 14 Ft.	40	7.97	1.43	31.23	5.60	37.35	6.70
Grain Drill Plow 20 Ft.	75	16.83	2.11	58.34	7.33	69.86	8.77
Grain Drill Plow 28 Ft.	100	24.31	2.18	82.03	7.36	98.00	8.79
MISC. EQUIPMENT:							
Light Truck	----	10.73	------	20.07	------	25.81	------
Medium Truck	----	17.03	------	29.12	------	37.81	------
Heavy Truck	----	34.37	------	55.53	------	73.27	------
Manure Spreader 150	75	7.79	------	24.72	------	30.67	------
Manure Spreader 225	90	10.99	------	34.25	------	42.72	------
Wagon	40	4.37	------	20.21	------	24.35	------
Forage Wagon 14 Ft.	40	4.66	------	20.53	------	26.22	------

Machine	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates per Hour 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
MAINTENANCE EQUIPMENT:		Dollars					
Cultivator 4-38	40	4.82	.98	17.71	3.61	21.18	4.31
Cultivator 8-30	75	8.73	1.13	26.65	3.44	31.95	4.12
Cultivator 12-30	140	16.44	1.41	43.82	3.77	57.90	4.98
Rotary Hoe 16	40	4.75	.44	24.80	2.28	29.59	2.72
Potato Cultivator 4-Row	75	8.79	1.43	24.87	4.06	29.83	4.87
Beet Cultivator 12-Row	100	12.19	2.03	42.87	7.14	51.44	8.57
Beet Thinner 12-Row	120	22.04	5.25	83.35	19.85	100.02	23.81
Sprayer 30 Ft.	40	6.60	.47	27.05	1.91	32.41	2.29
Sprayer Hi Pres 50 Ft.	60	9.71	.41	32.12	1.36	38.52	1.63
Anhydrous Applicator	120	14.92	1.67	49.56	5.56	57.27	6.43
Fertilizer Spreader 40	60	6.94	.22	39.94	1.29	42.36	1.37
Shredder 12 Ft.	60	7.35	1.68	27.63	6.33	33.06	7.58
HARVESTING EQUIPMENT:							
Swather-Cond. 12 Ft.	-----	7.86	1.44	43.50	7.98	51.90	9.52
Swather-Cond. 15 Ft.	-----	8.65	1.27	50.71	7.44	60.48	8.87
Swather 12 Ft.	-----	8.24	1.42	46.87	8.06	55.86	9.60
Swather 18 Ft.	-----	8.63	.99	50.78	5.82	60.82	6.97
1 Ton Stacker	60	9.16	2.21	28.87	6.96	33.94	8.19
3 Ton Stacker	75	13.76	2.85	39.38	8.14	46.01	9.51
Baler PTO Twine	40	6.26	1.65	24.24	6.41	27.42	7.25
Round Baler	60	9.09	1.96	28.88	6.23	33.70	7.27
Rotary Mow	40	4.65	1.70	15.86	5.81	18.96	6.95
Rake (HYD)	40	5.05	1.45	16.50	4.73	22.61	6.48
Forage Harv. 2 Row	100	14.50	8.76	53.79	32.51	62.43	37.73
For. Harv. 2 Row SP	-----	23.67	11.62	85.65	42.06	97.94	48.09
Forage Blower Lg.	60	6.56	6.56	25.02	25.02	22.09	22.09
Corn Picker 2-38	40	8.95	6.01	35.59	23.90	44.81	30.09
Picker-Sheller 2-Row	60	10.13	6.80	35.95	24.14	44.93	30.17
Combine Sm Grain Med	Med	29.50	6.24	69.09	14.61	81.75	17.29
Combine Soybeans Med	Med	30.14	7.29	71.44	17.27	84.06	20.32
Combine Corn 2-38 Sm	Sml	24.93	16.74	58.54	39.31	68.93	46.29
Combine Corn 4-38 Med	Med	33.29	11.12	77.45	25.88	92.12	30.78
Combine Corn 4-30 Med	Med	33.14	12.75	77.03	29.63	91.56	35.21
Combine Corn 8-30 Lg	Lg	44.04	9.32	101.88	21.55	120.79	25.55
Potato Harvester 2-Row	120	17.67	7.10	77.96	31.31	93.40	37.52
Beet Lifter 6 Row	120	17.92	3.45	91.79	17.65	109.52	21.06
Beet Topper 6-Row	100	13.38	2.09	51.79	8.09	61.74	9.65
Beet Wagon 8 Ton	75	8.10	2.34	33.77	9.75	40.36	11.65

1/ CASH OPERATING COSTS: These costs, provided on a per-hour and per-acre basis, are estimates of the costs of fuel (diesel), oil, and repairs for the tractor and the implement as used for the particular function described. Labor cost estimates are NOT included in this figure.

2/ TOTAL COSTS: Total costs provide estimates of all costs associated with carrying out the particular function. These costs include cash operating costs, labor, and overhead costs for the tractor and implement. Labor is valued at $5.20 per hour for unskilled labor and $7.00 per hour for skilled labor.

3/ SUGGESTED CUSTOM RATES: The suggested custom rate values include an additional 20% over the total cost figures. This margin provides a profit to the custom operator and a return for the risk and travel expenses involved. Many times a custom operator will cover more acres annually than a commercial farmer. Therefore, for popular custom services the overhead costs may be spread over more acres and hours, thereby reducing the total costs.

*SOURCE: 1981 CUSTOM RATE ESTIMATES FOR MINNESOTA (F. Benson, J. Ohannesian, J. McMurray, R. Craven), Agricultural Extension Service, University of Minnesota, Extension Folder 590.

Farm labor and wage rate estimates are based on surveys conducted during January, April, July and October each year. The total farm labor force increased 10 percent in 1980 with increases occurring for both family workers and hired workers.

Annual average farm wage rates were sharply higher in 1980 gaining 8 percent from the previous year. This trend continued in 1981 as wages gained 5 and 3 percent for the respective January and April survey periods.

MINNESOTA FARM WAGE RATES

Year	Quarter				Annual average 1/
	January	April	July	October	
	Dollars per hour 2/				
1976	3.08	2.82	2.67	3.13	2.94
1977	3.05	2.95	2.71	3.35	3.04
1978	3.15	3.51	3.02	3.40	3.29
1979	3.23	3.56	3.65	3.95	3.73
1980	3.54	3.95	3.75	4.29	4.01
1981	3.72	4.06			

1/ Average of quarterly rates weighted by hours worked during survey week.
2/ Wage rates are for workers paid by the hour receiving cash wages only.

MINNESOTA WORKERS ON FARMS

Year	Quarter				Annual average
	January	April	July	October	
	Thousands				
1976					
Family	146	190	182	182	175
Hired	16	35	70	45	42
Total	162	225	252	227	217
1977					
Family	126	172	177	180	164
Hired	14	30	59	35	35
Total	140	202	236	215	199
1978					
Family	133	146	174	178	158
Hired	14	14	73	45	37
Total	147	160	247	223	195
1979					
Family	121	112	169	160	141
Hired	23	19	45	31	30
Total	144	131	214	191	171
1980					
Family	148	123	182	175	157
Hired	20	26	47	30	31
Total	168	149	229	205	188
1981					
Family	110	155			
Hired	12	24			
Total	122	179			

Photo courtesy THE LAND Magazine, Mankato, Minn.

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